

PA-AB/629

Arab Republic of Egypt, Ministry of Social Insurance

**Automated Egyptian Social  
Insurance System  
(AESIS)**

**Law 79 Coverage (Private Sector)  
Detailed System Design**

October 1984

**International Business Services, Inc.  
GENASYS Corporation**

COVERAGE SUBSYSTEM  
LAW 79 PRIVATE SECTOR  
DETAIL DESIGN DOCUMENT  
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**LAW 79 COVERAGE SUBSYSTEM  
PRIVATE SECTOR**

The Law 79 Coverage Subsystem (Private Sector) establishes initial enrollment and eligibility for coverage of salaried workers as defined under Law 79 for the Private Sector. The individual's eligibility for coverage is determined for each type of insurance he is qualified for and the monthly contribution amount is calculated. Any activity which establishes or changes contribution amounts or payment responsibility will be reflected on The Billing Data Base. This provides The Accounting System with a source of information for the monthly invoice cycle.

A salaried worker will go through the following steps during his period of social insurance coverage under law 79:

**A. Enrollment**

When a salaried worker applies for coverage under law 79, his coverage application data (form 1) is checked against Law 79 Private Sector eligibility criteria. If he is eligible for coverage under the law, after the initial data entry edit checks, his transaction is reviewed by an auditor. Upon approval by the auditor, he is added to the Law 79 Private Sector Coverage Database. At the same time contributions and payment responsibility are determined and posted to the Billing Database.

## B. Changes

After the salaried worker has been enrolled, he may at any time request a change to his coverage status. Upon receipt, his application change (form 173) is processed by the data entry clerk and passed on to the auditor. After the auditors approval, the Coverage and Billing Databases will be updated to reflect the changes.

Some of the changes that an individual can request are:

- salary increases
- taking leave without pay
- requesting leave for a fellowship.

Although these changes are common, an individual has to submit a change application form, since the change to his coverage status affects his contribution calculations and payment responsibility.

## C. Termination

Upon an individual's retirement, death or transfer to another social insurance law, his coverage under Law 79 Private Sector is terminated. A termination form (form 6) must be submitted to accomplish the termination.

Each month the covered individuals continuing eligibility is assessed. Notifications of qualification for

voluntary termination (e.g. early retirement) and/or mandatory termination (e.g. attaining retirement age with adequate coverage) will be issued.

One of the techniques used in this subsystem to protect the integrity of the database, and to guard against system abuse, is to require more than one person to be involved in all significant database update activity. The following is a list of the identified "users" of this Coverage Subsystem:

- Data Entry Clerk - responsible for accurate data entry and edit of coverage applications. All initial transactions must be entered into the subsystem by the Data Entry Clerk
- Auditor - responsible for the manual and automated verification of the integrity of the application data. Only the Auditor is allowed to cause the Coverage Database to be updated.
- Inspector - may be assigned by the Auditor to collect information for the verification of the integrity of the application data. The inspectors findings must be returned to the auditor for resolution.

Major functions of the subsystem include:

- Check eligibility for the applicant
- Calculate the contribution amount for the covered individual
- Update the INDIVIDUAL, COVERAGE and BILLING databases with initial and changed data for covered individuals
- Terminate coverage and summarize the period covered
- Notify employees and employers of change in coverage status or salary
- Purchase prior uncovered periods
- Upgrade prior covered periods

The following tables and schedules are to be used to validate transactions, determine eligibility, calculate contributions and assign payment responsibility. The items included are:

- Period Status Code Table for  
    Law 79 Private Sector
- Coverage (Eligibility) Schedule for  
    Law 79 Private Sector
- Contribution (Calculation) Schedule for  
    Law 79 Private Sector
- Payment Responsibility Schedule for  
    Law 79 Private Sector

**PERIOD STATUS CODE TABLE**

**LAW 79 PRIVATE SECTOR**

**VALID CODES AND COMBINATIONS:**

**JOB CATEGORY CODES: 1,5,6,7**

**VALID PERIOD STATUS CODES FOR:**

**JOB CATEGORY 1: 10,21,22,25,26,41-43,51-54,  
61-66,71-76,79,81,91,92,94-96**

**JOB CATEGORY 5: 10,21,25,26,51-54,92,94**

**JOB CATEGORY 6: 10,21,25,26,51-54,92,94**

**JOB CATEGORY 7: 10**

**PERIOD STATUS CODES ELIGIBLE FOR:**

**OLD AGE DISABILITY AND DEATH, BONUS, UNEMPLOYMENT:**

**10,31-36,53,54,61-66,71-77**

**HEALTH: 10,31-36,61,63,65,72,74,76,81**

**WORK INJURY: 10,53,54,61-66,71,72,81**

APPLICABLE TYPES OF COVERAGE

| APPLICANT AGE IS   | OLD AGE, DEATH & DISABILITY;<br>BONUS | HEALTH (HIO) | WORK INJURY | UNEMPLOYMENT |
|--|---------------------------------------|--------------|-------------|--------------|
| Greater than 12 and Less than 18   | No                                    | No           | Yes         | No           |
| Equal to or greater than 18 and less than retirement age                                   | Yes                                   | Yes          | Yes         | Yes          |
| Equal to or greater than retirement age and applicant has more than 9 years of coverage    | No                                    | Yes          | Yes         | No           |
| Equal to or greater than retirement age and applicant has no more than 9 years of coverage | Yes                                   | Yes          | Yes         | No           |

1. Coverage is dependent upon Employer's Health Insurance Status
2. No coverage if insured is related to employer

COVERAGES LAW 79  
CONTRIBUTION SCHEDULE

| Type of Insurance             | <u>Insureds Contribution</u> |           | <u>Treasury Contribution</u> |           | <u>Employer Contribution</u> |             |
|-------------------------------|------------------------------|-----------|------------------------------|-----------|------------------------------|-------------|
|                               | Basic Salary                 | Incentive | Basic Salary                 | Incentive | Basic Salary                 | Incentive   |
| Old Age, Disability and Death | 10%<br>*3                    | 10%<br>*3 | 1%                           | 1%        | 15%<br>*3, 4                 | 15%<br>*3,4 |
| Labor Injury                  | 0%                           | 0%        | 0%                           | 0%        | *1, 3                        | *1, 3       |
| Health                        | 1%                           | 1%        | 0%                           | 0%        | *2, 3                        | *2, 3       |
| Unemployment                  | 0%                           | 0%        | 0%                           | 0%        | 2%                           | 2%          |
| Bonus                         | 3%                           | 0%        | 0%                           | 0%        | 2%                           | 0%          |

\* Refer to specified footnotes

1. Work Injury contribution percentage is dependent on the coverage status of the employer. The following are the status codes and equivalent percentages:

- |  |    |
|--|----|
| 0 - employer is not covered for work injury  | 0% |
| 1 - employer is fully self insured           | 0% |
| 2 - employer is fully insured by SIO/PIO     | 3% |
| 3 - employer provides medical compensation   | 2% |
| 4 - employer provides wage compensation      | 2% |
| 5 - employer provides medical and wage comp. | 1% |

2. Health Insurance contribution percentage is dependent on the coverage status of the employer. The following are the status codes and equivalent percentages:

- 0 - employer is not covered for Health Insurance 0%
- 1 - employer is fully self insured 0%
- 2 - employer is fully insured by SIO/PIO 4%
- 3 - employer provides wage compensation only 3%
- 4 - employer provides medical compensation only 1%

3. For bakers and brickworkers the contribution is 0% for the insured and the employer.

4. Increment the employers percentage of contribution on both basic salary and incentives for the following applicant labor categories:

- category 5 - heavy labor 12%
- category 6 - hazardous duty 16%

# COVERAGE LAW 79 PRIVATE SECTOR PAYMENT RESPONSIBILITY SCHEDULE

|  | EMPLOYEE<br>CONTRIBUTION | EMPLOYER<br>CONTRIBUTION | TREASURY<br>CONTRIBUTION | EMPLOYEE<br>PAYMENT |
|--|--------------------------|--------------------------|--------------------------|---------------------|
| NORMAL CASES;<br>PERIOD STATUS CODES:<br>10, 31-36, 53, 54, 61, 62, 65, 77   | EMPLOYER                 | EMPLOYER                 | TREASURY                 | EMPLOYER<br>*1, 2   |
| EXCEPTION CASES;<br>PERIOD STATUS CODES<br>73 VACATION FOR STUDY<br>ABROAD<br>74 VACATION FOR STUDY<br>IN COUNTRY  | EMPLOYEE                 | EMPLOYER                 | TREASURY                 | EMPLOYEE            |
| 63 ON LOAN INTERNAL<br>64 ON LOAN ABROAD<br>71 VAC. FOR WORK ABROAD<br>72 VAC. FOR WORK INTERNAL<br>75 VAC. NOT WORK ABROAD<br>76 VAC. NOT WORK INTERNAL | EMPLOYEE                 | EMPLOYEE                 |                          | EMPLOYEE            |

- \* 1) For period status codes 77, 78 the employee is responsible for installment or loan payments.
- 2) Bakers and brickworkers are responsible for installment on loan payments.

## SUBSYSTEM STRUCTURE CHART

The Subsystem Structure Chart following this section depicts the software components comprising this subsystem and the hierarchy and relationships among the various subsystem components. The two main subsystem functions are Data Entry Processing and Auditor Processing. Other functions include Data Base Inquiry, Report Processing, Inspector Processing, and Batch Processing.

### DATA ENTRY PROCESSING

Data Entry Processing consists of the following programs:

#### ECDP010 - Coverage Application Data Entry

This program validates screen data derived from Form 1, Coverage Application, checks applicant eligibility, and generates Coverage Transaction Data Base segments which will be used during Auditor Processing functions.

#### ECDP020 - Coverage Change Data Entry

The Coverage Change Data Entry Program displays current coverage data to the data entry operator, validates modified data entered from Form 173, Coverage Application Change, verifies coverage, and generates Coverage Transaction Data Base segments for use by the Auditor during the Auditor Processing functions.

#### ECDP030 - Coverage Termination Data Entry

This program displays current coverage data to the data entry operator, validates termination reason and date information as entered by the data entry operator from Form 6, Coverage Termination Form, and generates Coverage Transaction Data Base segments for utilization within the Auditor Processing function.

#### ECDP040 - Purchase Periods Data Entry

The Purchase Periods Data Entry Program will validate screen entered purchase data derived from the Purchase Period Application, check applicants' purchase eligibility, identify uncovered periods eligible for purchase, establish loan eligibility, and generate Coverage Transaction Data Base segments for use in Auditor Processing.

#### ECDP050 - Upgrade Periods Data Entry

This program validates Coverage Upgrade Application Form data entered by the data entry operator, verifies the applicants' eligibility, identifies coverage periods eligible for upgrade, determines applicant loan eligibility, and generates Coverage Transaction Data Base segments to be used during Auditor Processing.

## AUDITOR PROCESSING

The Auditor Processing function of this subsystem is comprised of the following programs:

### ECDP100 - Auditor Processing Driver

The Auditor Processing Driver Program displays a transaction selection screen to the Auditor, accepts and validates the entered transaction identifier, retrieves the appropriate Coverage Transaction Data Base segment, determines the proper Auditor Processing module (ECDP110 through ECDP150) to audit the transaction, and transfers control to the selected module.

### ECDP110 - Audit Coverage Application

The Audit Coverage Application Program will display Coverage Application data retrieved from the Coverage Transaction Data Base to the Auditor with the options to accept, reject, or modify transactions, place transactions in hold status, or initiate transaction inspections. If the Auditor modifies a transaction, data validation and eligibility checks are made on the modified transaction. Whenever the Auditor approves a transaction, contribution data will be calculated and the appropriate Individual, Coverage, and Billing Data Base segments will be updated. Regardless of the transaction disposition selected by the Auditor, the program will generate a new version of the Coverage Transaction Data Base segment reflecting its new post-audit status and any modified data.

### ECDP120 - Audit Coverage Change

This program retrieves Coverage Change Form data stored on the Coverage Transaction Data Base and displays it to the Auditor. Following his/her review of the screen data, the Auditor may accept, reject, or modify the transaction, or place it on hold or inspection status. If the screen data is modified, by the Auditor, the transaction is re-edited and eligibility is re-verified. If the Auditor approves the transaction, contributions are calculated as indicated on the appropriate Coverage Schedule and pertinent Individual, Coverage, and Billing Data Base segments are updated. Any of the above Audit dispositions cause a new version of the Change Transaction reflecting post-Audit status to be written to the Coverage Transaction Data Base.

### ECDP130 - Audit Coverage Termination

The Audit Coverage Termination Program will load the Auditor's screen with data extracted from the Coverage Transaction Data Base segment, display the Termination data to the Auditor, and permit the Auditor to approve, reject, or modify

the transaction, place it in hold status, or route the transaction to the inspection function. The program will re-edit all data and re-verify coverage if the Auditor modifies the transaction. A post-Audit version of all transactions will be written to the Coverage Transaction Data Base. If the Auditor approves the transaction, the program will apply all appropriate updates to the Individual, Coverage, and Billing Data Bases.

#### ECDP140 - Audit Purchase Periods

This program will display the latest version of the selected Purchase Periods transaction on the Auditor's screen, enable the Auditor to approve, reject, or modify the transaction, or place the transaction on hold or inspection status. If the Auditor modifies the transaction, the program will edit the transaction, check the applicant's purchase eligibility, identify periods eligible for purchase, and determine applicant loan eligibility. If the Auditor approves the transaction, the program will apply all appropriate updates to the Coverage, Individual, and Billing Data Bases. New versions of all transactions will be generated to indicate their after Audit status.

#### ECDP150 - Audit Upgrade Periods

The Audit Upgrade Periods Program will display the selected transaction on the Auditor's screen, provide transaction approval, modification, rejection, hold, and inspection capabilities. Whenever the Auditor selects the modify option, the program will re-edit the transaction data, re-evaluate periods eligible for upgrade, and verify applicant loan eligibility. If the Auditor approves the transaction, the program will apply all pertinent updates to the Individual, Coverage and Billing Data Bases. All Audit dispositions will cause a new version of the Coverage Transaction Data Base segment to be written.

### INSPECTOR PROCESSING

The subsystem Inspector Processing function is provided by the following programs:

#### ECDP210 - Inspection Assignment

This program provides the capability of assigning an inspector and entering an assignment date for a Coverage Transaction Data Base segment which has been flagged for Inspection by the Auditor. The program accepts a transaction identifier, retrieves the appropriate transaction, displays it on the screen, and accepts Inspector SIN and assignment date. The program then writes the new version of the transaction to the Coverage Transaction Data Base.

#### ECDP220 - Inspection Results

The Inspection Results Program provides for the entry of the results of an inspection for transactions previously assigned to an inspection status. The program accepts a transaction identifier from the screen, retrieves the corresponding segment from the Coverage Transaction Data Base, displays the transaction, and accepts a new, "inspection complete" status code. Once the screen data is verified, a new version of the transaction is written to the Coverage Transaction Data Base.

#### DATA BASE INQUIRY

This subsystem provides Employer and Employee data inquiry facilities through the following two programs:

##### ECDP310 - Inquiry by SIN

The Inquiry by SIN Program provides a screen display of Individual Data Base information. The program accepts the required SIN from the screen, retrieves the appropriate Individual Data Base segment, and displays it to the screen.

##### ECDP320 - Inquiry by BIN

The Inquiry by BIN Program provides a screen display of Employer Data Base information. The program accepts employer selection data from the screen, retrieves the pertinent Employer Data Base segments, and displays the data on the screen.

#### BATCH PROCESSING

The capability to process batch transactions received from local offices is provided by the following programs:

##### ECDP410 - Batch Transaction Processing

The Batch Transaction Processing Program receives transactions from the local offices, accesses the Control Data Base to obtain transaction identifiers, assigns the transaction identifiers to each transactions, formats the incoming transactions into Coverage Transaction Data Base format, and writes the transactions to the Coverage Transaction Data Base with a "read for audit" transaction status code.

##### ECDP420 - Archive Coverage Transactions

This program scans the Coverage Transaction Data Base for completed batch transactions, transfers these transactions to history files and deletes the transactions from the Coverage Transaction Data Base.

#### REPORT GENERATION

Multiple report generation facilities are provided within this subsystem as follows:

ECDP510 - Eligibility Report

The Eligibility Report Program accepts a date or range of dates from the screen corresponding to the required report period. Once the dates are verified, this program will initiate a batch job which will search the Coverage Transaction Data Base for transactions with "approved" status codes and coverage dates within the requested report date range. Each applicable record will be used to format a hardcopy report entry.

ECDP520 - Termination Report

This program provides a hardcopy report of coverage terminations within a user specified time period. The program accepts a report date or range of dates from the screen, verifies the dates, and initiates a batch job which searches the Coverage Transaction Data Base for transactions containing status codes indicating termination and termination dates within the report date range requested by the user.

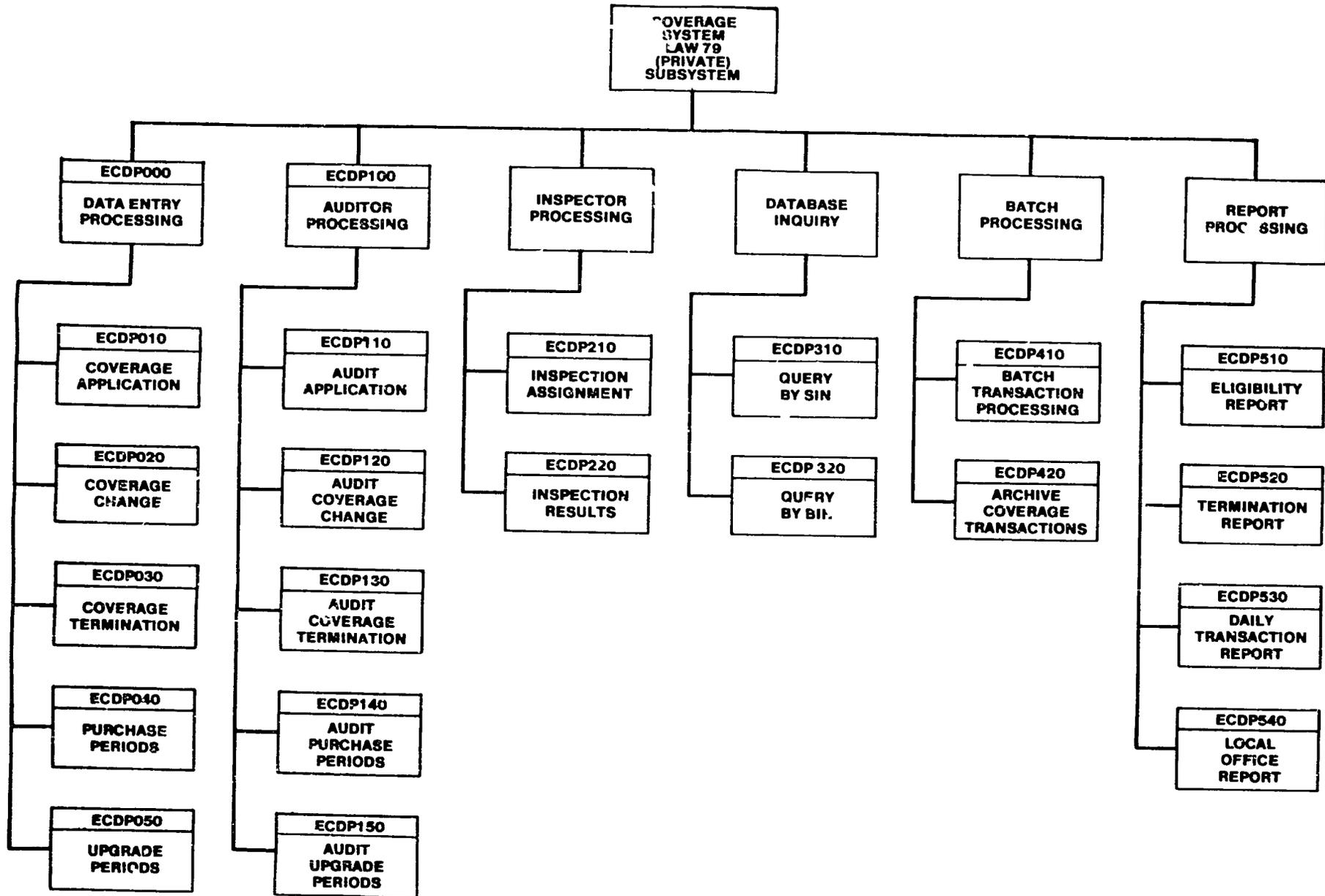
ECDP530 - Daily Transaction Report

The Daily Transaction Report Program provides a hardcopy report of all activity occurring within a user specified time period. The program accepts a report date or date range, edits the screen input date(s), and initiates a batch job which will extract all applicable records from the Coverage Transaction Data Base and format them into the Daily Transaction Report.

ECDP540 - Local Office Report

The Local Office Report Program accepts a user required report date or range of dates, edits the date(s), and spawns a batch job which will generate a hardcopy report of daily activity generated by each local office.

# LAW 79 (PRIVATE) COVERAGE SUBSYSTEM STRUCTURE CHART



## SUBSYSTEM FLOW DIAGRAM

The Subsystem Flow Diagram following this section depicts the progression of subsystem data from input forms through final Data Base Update. In general, input forms are manually verified, entered via formatted screens and transferred to the Coverage Transaction Data Base within the subsystem Data Entry Processing function. The Auditor Processing function then reads the Coverage Transaction Data Base, verifies the transactions and applies the appropriate updates to the AESIS data bases for all approved transactions.

The Data Entry Processing function validates all entered data, provides supporting descriptive data for codes entered by the data entry operator, performs eligibility or coverage verification tasks, and creates transaction data base segments for use by later activities.

The Auditor Processing function reviews the data entered by the data entry operators. The Auditors receive this data by means of the Coverage Transaction Data Base segments created during Data Entry Processing activities. During their reviews, the Auditors may approve, reject or modify transactions, or may choose to put transactions on a hold status or direct a transaction to an inspector for more comprehensive review. If the Auditor elects to modify a transaction, the Auditor Processing function programs will re-edit the transaction and will repeat all coverage eligibility or coverage verification checks. Once a transaction has been approved by an Auditor, the Auditor Processing function programs will perform all required calculations and will process updates to the Individual, Coverage and Billing Data Bases, and will generate a final version of the transactions which indicate that the data bases have been updated and that the transactions are available for archiving to history files.

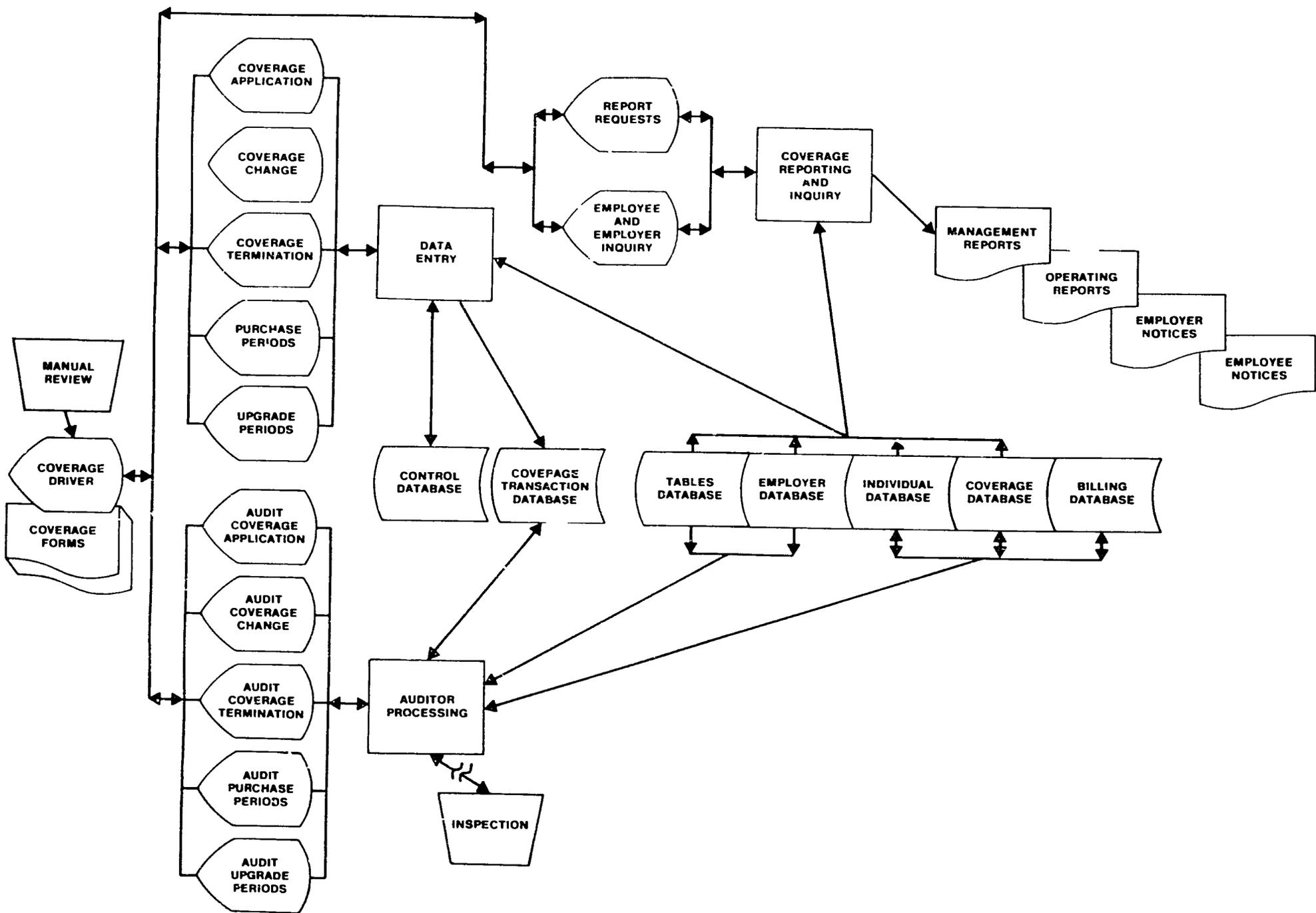
The Inspector Processing function is an adjunct to Auditor Processing which allows the removal of a transaction from the main subsystem flow for a period of time to permit a comprehensive review of the transaction or to await additional or supporting information.

The Data Base Inquiry function provides the user with screen displays of requested Employee and Employer data from the AESIS Data Bases.

The Report Generation function provides the user with the capability to request and generate various hardcopy reports covering user selected time periods.

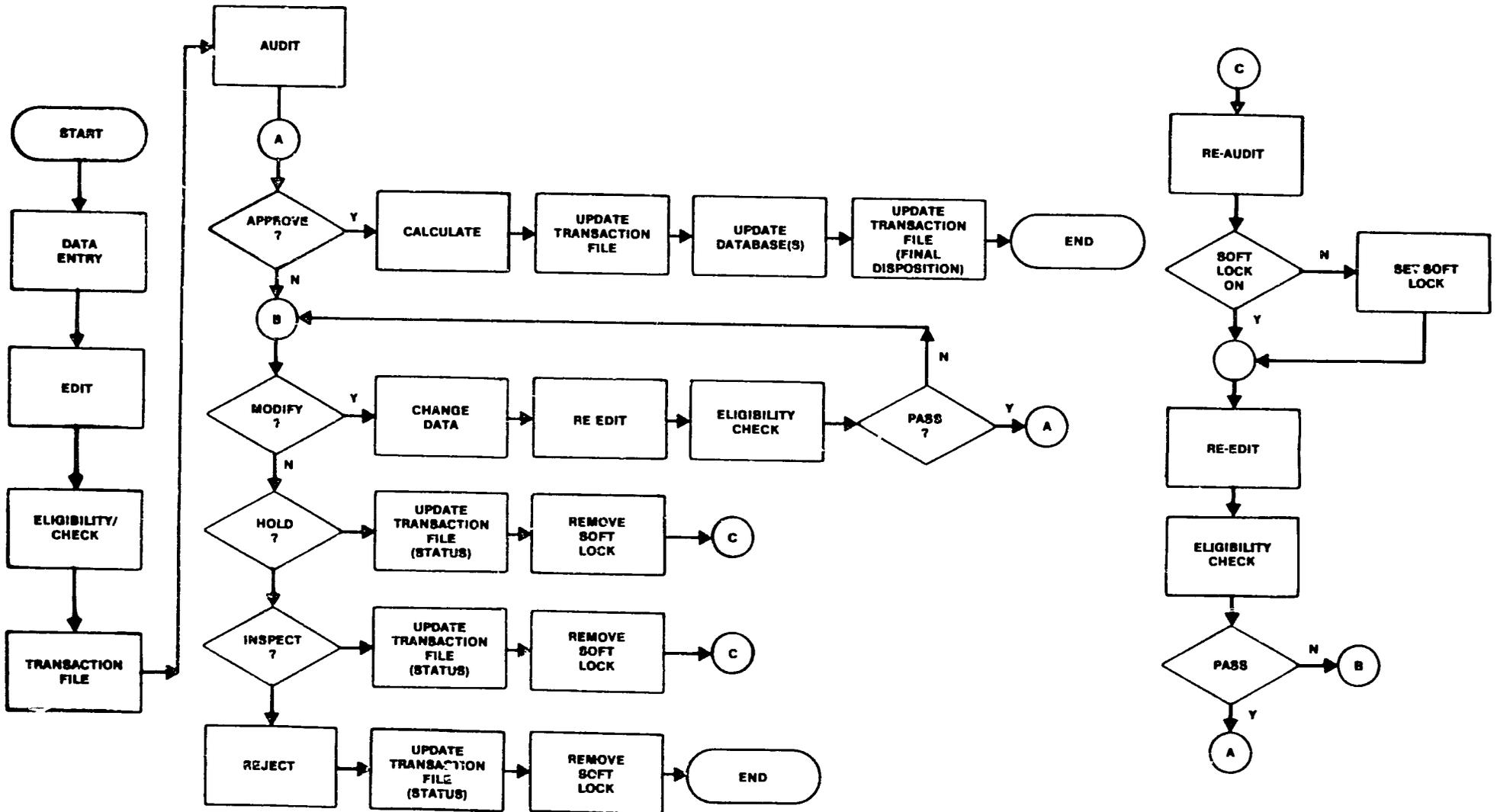
# COVERAGE SUBSYSTEM FLOW

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# LAW 79 (PRIVATE) COVERAGE SUBSYSTEM LOGICAL FLOW

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PROGRAM DESCRIPTION FORM

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System: Coverage Date f.c.: 29 July 1984  
Subsystem: Law 79, Private Sector Date l.u.: 29 Aug 1984  
Function: Data Entry Processing Phase: 2  
Program: ECDP010, Coverage Application  
CICS Trans ID: D010  
Author: SAK/MJO

Description:

The Coverage Application Entry/Edit Program will first ensure that all variables entered on the Coverage Application Screen from Form No. 1 are valid. For coded variables the code description will be retrieved from the appropriate table and displayed in the output screen. The applicant is then checked for eligibility according to the rules defined in the Schedule of Coverage for Law 79.

During the edit and eligibility checking process, highlighted fields and accompanying error messages will be presented to the terminal user. Program status checking will keep the program within the edit and eligibility routines until all errors are cleared, or until the operator indicates that the current application process is to be cancelled.

Completed transactions will be written to the Coverage Transaction File for audit processing and subsequent update processing. The transaction identifier assigned to the application will be displayed on the screen so that it may be noted on the application form for later retrieval.

INPUT:

Files: Employer, Tables, Control Data Bases

Screens: Coverage Application Screen

Note: Individual and Coverage Data Base Segments are passed to this program via the COMMAREA

OUTPUT:

File: Coverage Transaction File record

**INTERFACE:**

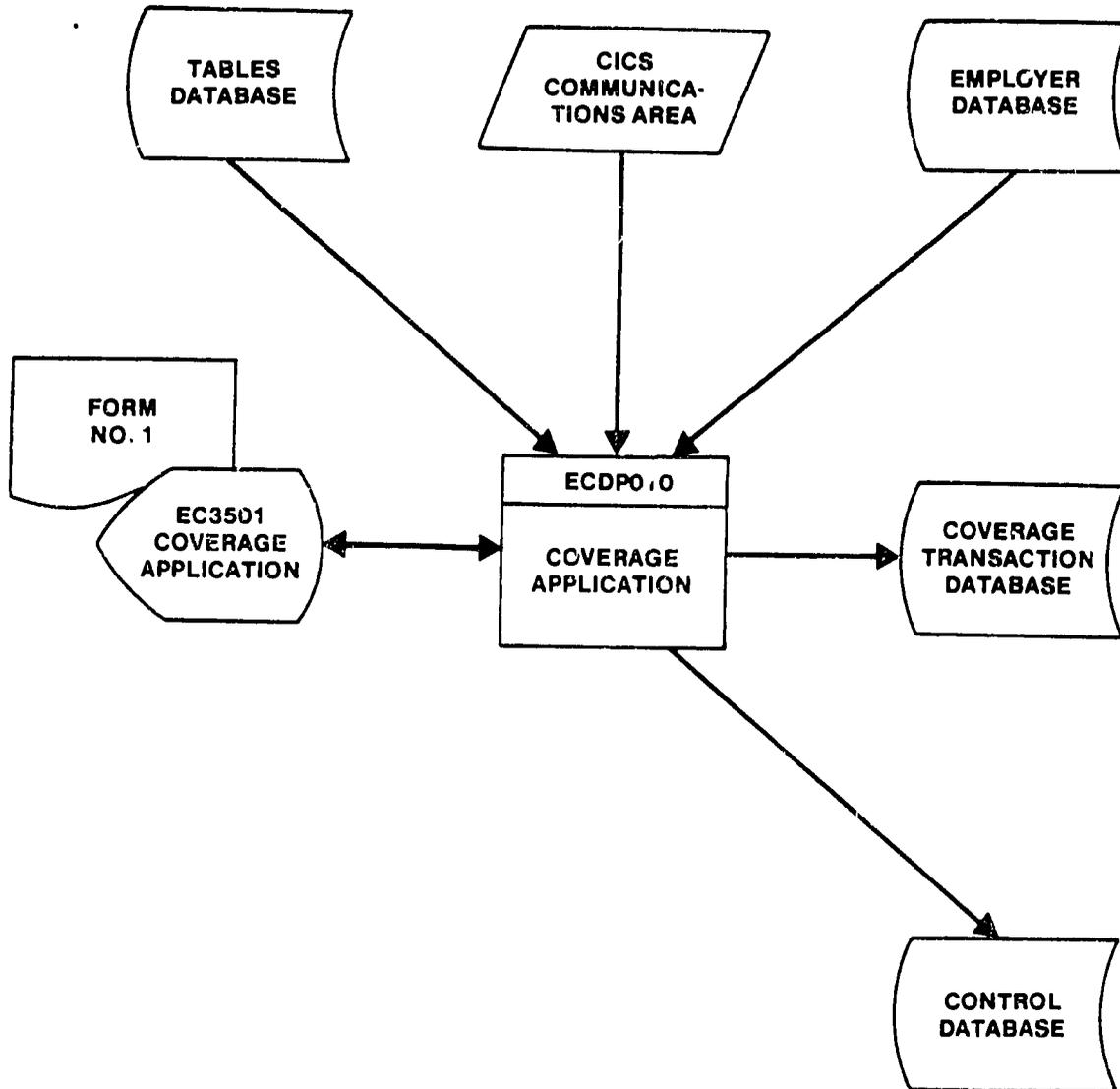
**Invoked by:** EC0P050 Coverage System Driver Program

**Transfers to:** EC0P050 Coverage System Driver Program

**Standard Modules:**

**DATECEI** - Convert external date to internal format

# PROGRAM I/O DIAGRAM COVERAGE APPLICATION



#### 4.1 PROCESS CONTROL

```
IF COM-PASSWORD = Data Entry password AND COM-PANEL NOT
EQUAL 'EC3S01 '
    MOVE map name (EC3S01 ) to COM-PANEL
    MOVE map set name (EC3S000S) to COM-PANEL-SET
    MOVE program transaction ID (D010) to COM-TRAN-ID
    MOVE operator message to MAP-MSG-LINE1
    PERFORM 7000-SEND-INITIAL-MAPS
ENDIF
IF COM-PASSWORD = Data Entry password AND COM-PANEL EQUALS
"EC3S01 "
    IF COM-EDIT-SW = 1
        PERFORM 2000-PROCESS-TRANSACTION
    ELSE
        PERFORM 1000-EDIT-INPUT
        PERFORM 1100-COMPUTE-VARIABLES
        PERFORM 1200-CHECK-ELIGIBILITY
    ENDIF
ENDIF
IF COM-PASSWRD NOT EQUAL DATA ENTRY PASSWORD
    MOVE OPERATOR WARNING MESSAGE TO MSG-LINE
EXEC CICS SEND
FROM (MSG-LINE)
LENGTH (79)
ERASE
END-EXEC
MOVE COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID
```

```

EXEC CICS RETURN
    TRANSID (COM-TRAN-ID)
    COMMAREA (DFHCOMMAREA-W)
    LENGTH (COM-LENGTH)
    END-EXEC

ENDIF

PERFORM 1400-PROCESS-TRANSACTION.

1000-EDIT-INPUT SECTION

IF OCCUPATION-CODE LENGTH GREATER THAN ZERO
    PERFORM 4000-OCCUP-CODE-CHECK
    IF OCCUPATION-CODE VALID
        MOVE OCCUPATION-CODE TO COM-CT-OCCUPATION-CODE
    ELSE
        MOVE CURSOR TO OCCUPATION-CODE LENGTH
        SET OCCUPATION-CODE ATTRIBUTE BYTE
        PERFORM 3000-FSET
    ENDIF
ELSE
    MOVE CURSOR TO OCCUPATION-CODE LENGTH
    SET OCCUPATION-CODE ATTRIBUTE BYTE
    MOVE `OCCUPATION-CODE IS MANDATORY ITEM' TO MSG-
    LINE2
    PERFORM 3000-FSET
ENDIF

IF APPLICATION-DATE LENGTH GREATER THAN ZERO
    IF APPLICATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE APPLICATION-DATE TO COM-CT-APPLICATION-DATE
    ELSE

```

```

        MOVE CURSOR TO APPLICATION-DATE LENGTH
        SET APPLICATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ELSE
        MOVE CURSOR TO APPLICATION-DATE LENGTH
        SET APPLICATION-DATE ATTRIBUTE
        MOVE "APPLICATION DATE IS A MANDATORY DATA ITEM"
            TO MSG-LINE2
        PERFORM 3000-FSET
ENDIF
IF OCCUPATION-DATE LENGTH GREATER THAN ZERO
    IF OCCUPATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE OCCUPATION-DATE TO COM-CT-OCCUPATION-DATE
    ELSE
        MOVE CURSOR TO OCCUPATION-DATE LENGTH
        SET OCCUPATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ELSE
        MOVE CURSOR TO OCCUPATION-DATE LENGTH
        SET OCCUPATION-DATE ATTRIBUTE
        MOVE "OCCUPATION DATE IS A MANDATORY DATA ITEM"
            TO MSG-LINE2
        PERFORM 3000-FSET
ENDIF
IF MONTHLY-SALARY LENGTH GREATER THAN ZERO

```

```

IF MONTHLY-SALARY NUMERIC AND GREATER THAN ZERO
    MOVE MONTHLY-SALARY TO COM-CT-MONTHLY-SALARY
ELSE
    MOVE CURSOR TO MONTHLY-SALARY LENGTH
    SET MONTHLY-SALARY ATTRIBUTE
    PERFORM 3000-FSET
ENDIF
ELSE
    MOVE CURSOR TO MONTHLY-SALARY LENGTH
    SET MONTHLY-SALARY ATTRIBUTE
    MOVE "SALARY IS A MANDATORY DATA ITEM" TO MSG-LINE2
    PERFORM 3000-FSET
ENDIF
IF INCENTIVE LENGTH GREATER THAN ZERO
    IF INCENTIVE NUMERIC AND NOT LESS THAN ZERO
        MOVE INCENTIVE TO COM-CT-INCENTIVE
    ELSE
        MOVE CURSOR TO INCENTIVE LENGTH
        SET INCENTIVE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ELSE
    MOVE CURSOR TO INCENTIVE LENGTH
    SET INCENTIVE ATTRIBUTE
    MOVE "INCENTIVE IS A MANDATORY DATA ITEM"
        TO MSG-LINE2
IF CONTRIBUTION-CODE LENGTH GREATER THAN ZERO
    PERFORM 4000-CONTRIB-CHECK

```

```

IF CONTRIBUTION-CODE VALID
    MOVE CONTRIBUTION-CODE TO COM-CT-CONTRIBUTION-CODE
ELSE
    MOVE CURSOR TO CONTRIBUTION-CODE LENGTH
    SET CONTRIBUTION-CODE ATTRIBUTE BYTE
    PERFORM 3000-FSET
ENDIF

ELSE

    MOVE CURSOR TO CONTRIBUTION-CODE LENGTH
    SET CONTRIBUTION-CODE ATTRIBUTE BYTE
    MOVE `CONTRIBUTION CODE IS MANDATORY ITEM' TO MSG-
    LINE2
    PERFORM 3000-FSET
ENDIF

ENDIF

IF EMPLOYEE-RELATION-LENGTH GREATER THAN ZERO
    IF EMPLOYEE-RELATION EQUAL TO 'Y' OR 'N'
        MOVE EMPLOYEE-RELATION TO COM-CT-EMPLOYEE-RELATION
    ELSE
        MOVE CURSOR TO EMPLOYEE-RELATION LENGTH
        SET EMPLOYEE-RELATION ATTRIBUTE BYTE
        PERFORM 3000-FSET
    ENDIF
ENDIF

ELSE

    MOVE CURSOR TO EMPLOYEE-RELATION LENGTH
    SET EMPLOYEE-RELATION ATTRIBUTE BYTE
    MOVE `EMPLOYEE RELATION IS MANDATORY ITEM' TO MSG-

```

```

                LINE2
                PERFORM 3000-FSET
            ENDIF
        ENDIF
    IF EMPLOYER-BIN LENGTH GREATER THAN ZERO
        GET EMPLOYER SEGMENT
        IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
            MOVE CURSOR TO EMPLOYER-BIN LENGTH
            SET EMPLOYER-BIN ATTRIBUTE BYTE
            MOVE 'EMPLOYER BIN INVALID' TO MSG--LINE2
            PERFORM 3000-FSET
        ELSE
            MOVE EMPLOYER-NAME TO COV-CT-EMPLOYER-NAME, MAP
            MOVE EMPLOYER-SECTOR TO COV-CT-EMPLOYER-SECTOR,
                MAP
        ENDIF
    ELSE
        MOVE CURSOR TO EMPLOYER-BIN-LENGTH
        SET EMPLOYER-BIN ATTRIBUTE BYTE
        MOVE 'EMPLOYER BIN IS A MANDATORY FIELD' TO MSG--LINE2
        PERFORM 3000-FSET
    ENDIF
1100-COMPUTE-VARIABLES SECTION
    SUBTRACT DATE-OF-BIRTH FROM APPLICATION-DATE GIVING
        APPLICANT-AGE
    IF COMMAREA COVERAGE SEGMENTS NOT EQUAL TO SPACES
        CALCULATE LENGTH-OF-CURRENT-PERIOD
        ADD LENGTH-OF-CURRENT-PERIOD, CUMULATIVE-MONTHS GIVING

```

COVERED-PERIODS

ELSE

SET COVERED-PERIODS TO ZERO

ENDIF

MOVE COVERED-PERIODS TO COM-CT-COVERED-PERIODS

ADD 60, DATE-OF-BIRTH GIVING RETIREMENT-DATE  
1200-CHECK-ELIGIBILITY SECTION

IF EMPLOYER-SECTOR NOT PRIVATE

MOVE CURSOR TO EMPLOYER-BIN LENGTH

SET EMPLOYER-BIN ATTRIBUTE

MOVE 'EMPLOYER SECTOR NOT PRIVATE' TO MSG-LINE2

PERFORM 3000-FSET

ENDIF

DETERMINE COVERAGE FROM COVERAGE SCHEDULE

1400-PROCESS-TRANSACTION SECTION

MOVE 'A' TO COM-CT-TRANSACTION-TYPE

MOVE '21' TO COM-CT-STATUS-CODE

MOVE CURRENT DATE TO WS-HOLD-DATE

CALL 'DATECEI' USING WS-HOLD-DATE, CONVERTED-DATE

MOVE CONVERTED-DATE TO INITIAL ENTRY DATE DATE ADDED

MOVE COM-PANEL TO COM-CT-COM-PANEL

MOVE '9999' TO RECORD COUNT

MOVE COM-OPER-SIN TO APPROVED BY ISIN

MOVE 1 TO COM-EDIT-SW

MOVE INSTRUCTIONAL MESSAGE PROMPT TO MSG-LINE1

MOVE 'D010' COM-TRANSID

MOVE 'ECDP010' TO COM-DESTIN-PROG  
COM-ORIGIN-PRJG

PERFORM 4800-RESEND-MAP

2000-PROCESS-TRANSACTION SECTION

IF PF KEY DENOTES UPDATE NOT COMPLETE

MOVE TRANSACTION NUMBER TO COM-COVERAGE-  
TRANSACTION-NUMBER

MOVE '22' TO COM-STATUS-CODE

INSERT COM-COVERAGE-TRANSACTION-RECORD TO  
COVERAGE-TRANSACTION DATABASE

ENDIF

IF PF KEY DENOTES UPDATE COMPLETE

MOVE TRANSACTON NUMBER TO COM-COVERAGE-TRANSACTION-  
NUMBER

MOVE '25' TO COM-STATUS-CODE

INSERT COM-COVERAGE-TRANSACTION-RECORD TO  
COVERAGE-TRANSACTION DATABASE

ENDIF

IF PF KEY DENOTES CANCEL

MOVE TRANSACTON NUMBER TO COM-COVERAGE-TRANSACTION-  
NUMBER

MOVE '98' TO COM-STATUS-CODE

INSERT COM-COVERAGE-TRANSACTION-RECORD TO  
COVERAGE-TRANSACTION DATABASE

MOVE DATA ENTRY DRIVER PROGRAM NAME TO COM-DESTIN-PROG

ENDIF

PERFORM 4900-XCTL

3000-FSET SECTION

EXEC CICS SEND

MAPSET (COM-PANEL-SET)  
MAP (COM-PANEL)  
FREEKB  
ERASE  
FSET  
CURSOR  
END-EXEC  
PERFORM 7000-BASIC RETURN

4000-OCCUP-CODE-CHECK SECTION

MOVE OCCUPATION-CODE-PREFIX TO TABLE-KEY-PREFIX  
MOVE OCCUPATION-CODE TO TABLE-KEY-VALUE  
GET TABLES DATABASE RECORD  
IF FOUND  
MOVE TABLE-DESCRIPTION TO OCCUPATION-DESCRIPTION  
OUTPUT FIELD  
ELSE  
FAIL EDIT  
ENDIF

4000-CONTRIB-CHECK SECTION

MOVE CONTRIBUTION-CODE-PREFIX TO TABLE-KEY-PREFIX  
MOVE CONTRIBUTION-CODE TO TABLE-KEY-VALUE  
GET TABLES DATABASE RECORD  
IF FOUND  
PASS EDIT  
ELSE  
FAIL EDIT  
ENDIF

4800-RESEND-MAP SECTION

```

EXEC CICS SEND
      MAPSET (COM--PANEL-SET)
      MAP (COM-PANEL)
      FREEKB
      CURSOR

END-EXEC

PERFORM 7000-BASIC-RETURN

4900-XCTL SECTION

EXEC CICS XCTL
      PROGRAM (COM-DESTIN-PROG)
      COMMAREA (DFHCOMMAREA-W)
      LENGTH (COM-LENGTH)

END-EXEC

7000-SEND-INITIAL-MAPS SECTION

MOVE COMMAREA REGION-CODE TO MAP
MOVE COMMAREA REGION-DESCRIPTION TO MAP
MOVE COMMAREA LOCAL-OFFICE-CODE TO MAP
MOVE COMMAREA LOCAL-OFFICE-DESCRIPTION TO MAP
MOVE COMMAREA UNIT-CODE TO MAP
MOVE COMMAREA UNIT-DESCRIPTION TO MAP
MOVE COMMAREA SIN TO MAP
MOVE COMMAREA NAME TO MAP
MOVE COMMAREA ADDRESS TO MAP
MOVE COMMAREA POLICE-GOVERNATE TO MAP
MOVE COMMAREA GOVERNATE-NAME TO MAP
MOVE COMMAREA POLICE-STATION TO MAP
MOVE COMMAREA POLICE-STATION-NAME TO MAP

```

```

MOVE COMMAREA POLICE-UNIT TO MAP
MOVE COMMAREA POLICE-UNIT-NAME TO MAP
GET CONTROL SEGMENT
IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
    MOVE 'CONTROL DB ERROR - NOTIFY MANAGER' TO MSG-LINE2
    PERFORM 3000-FSET
ENDIF
MOVE NEXT-COVERAGE-TRANSACTION-NUMBER TO MAP
ADD 1 TO NEXT-COVERAGE-TRANSACTION-NUMBER
REWRITE CONTROL SEGMENT
IF RETURN CODE INDICATES 'REWRITE NOT SUCCESSFUL'
    MOVE 'ERROR REWRITING CONTROL DB SEGMENT' TO MSG-LINE2
    PERFORM 3000-FSET
ENDIF
EXEC CICS SEND
    MAPSET (COM-PANEL-SET)
    MAP (COM-PANEL)
    FREEKB
    CURSOR
END-EXEC
PERFORM 7000-BASIC-RETURN
7000-BASIC-RETURN SECTION
EXEC CICS RETURN
    TRANSID (COM-TRAN-ID)
    COMMAREA (DFHCOMMAREA-W)
    LENGTH (COM-LENGTH)
END-EXEC

```

PROGRAM DESCRIPTION FORM

Page of

System: Coverage Date f.c.: 29 July 1984  
Subsystem: Law 79, Private Sector Date l.u.: 29 July 1984  
Function: Data Entry Processing Phase: 2  
Program: ECDP020, Coverage Changes  
CICS Trans ID: D020  
Author: SAK/MJO

Description:

The Coverage Application Edit/Eligibility Check Program will first ensure that all variables entered on the Coverage Application Screen from Form No. 173 are valid. For coded variables the code description will be retrieved from the appropriate table and displayed on the output screen. The applicant is then checked for eligibility according to the rules defined in the Schedule of Coverage for Law 79.

During the edit and eligibility checking process, highlighted errors and accompanying error messages will be persented to the terminal user. Program status checking will keep the program within the edit/eligibility routines until all errors are cleared, or until the operator indicates that the current application process is to be cancelled.

Completed transactions will be written to the Coverage Transaction File for audit processing and subsequent database update processing. The transaction identifier obtained from the control database will be displayed on the screen so that the terminal operator may annotate the number on the coverage change form for later transaction retrieval.

INPUT:

Files: Employer, Coverage, Tables, Control Data Bases

Screens: Coverage Change

OUTPUT:

Files: Transaction File Record

Screens: Coverage Change

Note: The Individual record, Coverage Root segment and Current Coverage Period segment are passed to this program via the COMMAREA

INTERFACE:

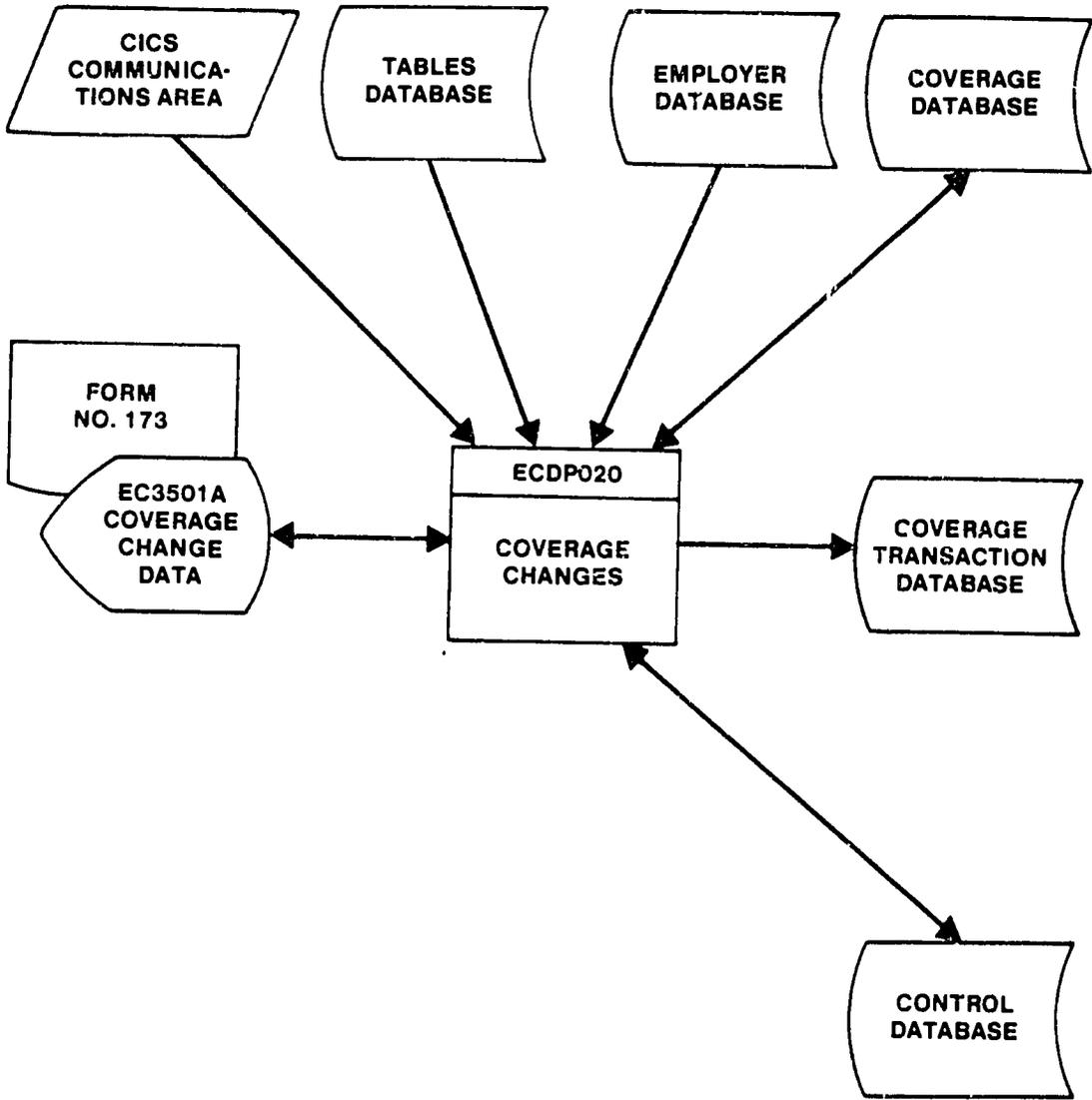
Invoked by: ECOP050 Coverage System Driver

Transfers to: ECOP050 Coverage System Driver

Standard Modules:

DATECEI - Converts external dates to internal storage format

# PROGRAM I/O DIAGRAM COVERAGE CHANGES



#### 4.1 PROCESS CONTROL

```
IF COM-PASSWORD = Data Entry password AND COM-PANEL NOT  
EQUAL 'EC3S01A'
```

```
    MOVE map name (EC3S01A) to COM-PANEL
```

```
    MOVE map set name (EC3S000S) to COM-PANEL-SET
```

```
    MOVE program transaction ID (D020) to COM-TRAN-ID
```

```
    MOVE operator message to MAP-MSG-LINE1
```

```
    PERFORM 0100-LOAD-INIT-SCREENS
```

```
    PERFORM 7000-SEND-INITIAL-MAPS
```

```
ENDIF
```

```
IF COM-PASSWORD = Data Entry password AND COM-PANEL EQUALS  
"EC3S01A"
```

```
IF COM-EDIT-SW = 1
```

```
    PERFORM 2000-PROCESS-TRANSACTION
```

```
ELSE
```

```
    PERFORM 1000-EDIT-INPUT
```

```
    PERFORM 1100-COMPUTE-VARIABLES
```

```
    PERFORM 1200-CHECK-ELIGIBILITY
```

```
ENDIF
```

```
ENDIF
```

```
IF COM-PASSWRD NOT EQUAL DATA ENTRY PASSWORD
```

```
    MOVE OPERATOR WARNING MESSAGE TO MSG-LINE
```

```
EXEC CICS SEND
```

```
FROM (MSG-LINE)
```

```
LENGTH (79)
```

```
ERASE
```

```
END-EXEC
```

```

MOVE COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID
EXEC CICS RETURN
    TRANSID (COM-TRAN-ID)
    COMMAREA (DFHCOMMAREA-W)
    LENGTH (COM-LENGTH)
    END-EXEC
ENDIF
PERFORM 1400-PROCESS-TRANSACTION.
0100-LOAD-INIT-SCREEN SECTION
MOVE COMMAREA REGION-CODE TO MAP
MOVE COMMAREA REGION-DESCRIPTION TO MAP
MOVE COMMAREA LOCAL-OFFICE-CODE TO MAP
MOVE COMMAREA LOCAL-OFFICE-DESCRIPTION TO MAP
MOVE COMMAREA UNIT-CODE TO MAP
MOVE COMMAREA UNIT-DESCRIPTION TO MAP
MOVE COMMAREA SIN TO MAP
MOVE COMMAREA NAME TO MAP
MOVE COMMAREA ADDRESS TO MAP
MOVE COMMAREA POLICE-GOVERNATE TO MAP
MOVE COMMAREA GOVERNATE-NAME TO MAP
MOVE COMMAREA POLICE-STATION TO MAP
MOVE COMMAREA POLICE-STATION-NAME TO MAP
MOVE COMMAREA POLICE-UNIT TO MAP
MOVE COMMAREA POLICE-UNIT-NAME TO MAP
MOVE COMMAREA EMPLOYER-BIN TO MAP
GET EMPLOYER SEGMENT
IF RETURN CCDE INDICATES 'SEGMENT NOT FOUND'
    MOVE CURSOR TO EMPLOYER-BIN

```

```

        SET EMPLOYER-BIN ATTRIBUTE BYTE
        MOVE 'NO EMPLOYER SEGMENT EXISTS' TO MSG-LINE2
        PERFORM 7000-SEND-INITIAL-MAPS
    ENDIF

    MOVE BUSINESS-NAME TO MAP
    MOVE SECTOR LITERAL TO MAP BASED ON SECTOR-CODE
    GET CONTROL SEGMENT
    IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
        MOVE CURSOR TO TRANSACTION-NUMBER
        SET TRANSACTION-NUMBER ATTRIBUTE BYTE
        MOVE 'CONTROL DB ERROR - NOTIFY MANAGER' TO MSG-LINE2
        PERFORM 7000-SEND-INITIAL-MAPS
    ENDIF

    MOVE NEXT-COVERAGE-TRANSACTION-NUMBER TO MAP
    ADD 1 TO NEXT-COVERAGE-TRANSACTION-NUMBER
    REWRITE CONTROL SEGMENT
    IF RETURN CODE INDICATES 'REWRITE NOT SUCCESSFUL'
        MOVE CURSOR TO TRANSACTION-NUMBER
        SET TRANSACTION-NUMBER ATTRIBUTE BYTE
        MOVE 'ERROR REWRITING CONTROL DB SEGMENT' TO MSG-LINE2
        PERFORM 7000-SEND-INITIAL-MAPS
    ENDIF

    MOVE COMMAREA EMPLOYEE-RELATION TO MAP
    MOVE COMMAREA CONTRIBUTION-CODE TO CONTRIBUTION-CODE OF MAP
    MOVE COMMAREA PERIOD-START-DATE TO OCCUPATION-DATE OF MAP
    GET SALARY SEGMENT
    IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'

```

```

        MOVE ZERO TO MONTHLY-SALARY OF MAP
ELSE
MOVE MONTHLY-SALARY TO MAP
ENDIF
GET INCENTIVE SEGMENT
IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
        MOVE ZERO TO INCENTIVE OF MAP
ELSE
        MOVE AVERAGE-MONTHLY-INCENTIVE-AMT TO MAP
ENDIF
PERFORM 4000-OCCUP-CODE-CHECK
GET WORK EXTENSION SEGMENT
IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
        MOVE 60 TO RETIREMENT-AGE OF MAP
        MOVE ZERO TO DECREE-NUMBER OF MAP
                WORK-EXTENSION-MONTHS OF MAP
        MOVE SPACES TO WORK-EXTENSION-DATE
ELSE
        CALCULATE RETIREMENT-AGE OF MAP AS
                60 + WORK-EXT-MONTHS / 12
        MOVE DECREE-NUMBER TO MAP
        MOVE WORK-EXT-MONTHS TO MAP
        MOVE WORK-EXT-DATE TO MAP
ENDIF
PERFORM 7000-SEND-INITIAL-MAPS

1000-EDIT-INPUT SECTION
IF OCCUPATION-CODE LENGTH GREATER THAN ZERO

```

```

PERFORM 4000-OCCUP-CODE-CHECK
IF OCCUPATION-CODE VALID
    MOVE OCCUPATION-CODE TO COM-CT-OCCUPATION-CODE
ELSE
    MOVE CURSOR TO OCCUPATION-CODE LENGTH
    SET OCCUPATION-CODE ATTRIBUTE BYTE
    PERFORM 3000-FSET
ENDIF
IF APPLICATION-DATE LENGTH GREATER THAN ZERO
    IF APPLICATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE APPLICATION-DATE TO COM-CT-APPLICATION-DATE
    ELSE
        MOVE CURSOR TO APPLICATION-DATE LENGTH
        SET APPLICATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF
IF OCCUPATION-DATE LENGTH GREATER THAN ZERO
    IF OCCUPATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE OCCUPATION-DATE TO COM-CT-OCCUPATION-DATE
    ELSE
        MOVE CURSOR TO OCCUPATION-DATE LENGTH
        SET OCCUPATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF
IF MONTHLY-SALARY LENGTH GREATER THAN ZERO
    IF MONTHLY-SALARY NUMERIC AND GREATER THAN ZERO
        MOVE MONTHLY-SALARY TO COM-CT-MONTHLY-SALARY
    ELSE

```

```

        MOVE CURSOR TO MONTHLY-SALARY LENGTH
        SET MONTHLY-SALARY ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
IF INCENTIVE LENGTH GREATER THAN ZERO
    IF INCENTIVE NUMERIC AND NOT LESS THAN ZERO
        MOVE INCENTIVE TO COM-CT-INCENTIVE
    ELSE
        MOVE CURSOR TO INCENTIVE LENGTH
        SET INCENTIVE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
IF CONTRIBUTION-CODE LENGTH GREATER THAN ZERO
    PERFORM 4000-CONTRIB-CHECK
    IF CONTRIBUTION-CODE VALID
        MOVE CONTRIBUTION-CODE TO COM-CT-CONTRIBUTION-CODE
    ELSE
        MOVE CURSOR TO CONTRIBUTION-CODE LENGTH
        SET CONTRIBUTION-CODE ATTRIBUTE BYTE
        PERFORM 3000-FSET
    ENDIF
IF RETIREMENT-AGE LENGTH GREATER THAN ZERO
    IF RETIREMENT-AGE NUMERIC AND GREATER THAN 59
        MOVE RETIREMENT-AGE TO COM-CT-RETIREMENT-AGE
    ELSE
        MOVE CURSOR TO RETIREMENT-AGE LENGTH
        SET RETIREMENT-AGE ATTRIBUTE

```

```

        PERFORM 3000-FSET
    ENDIF
    IF WORK-EXTENSION-DECREE-NUMBER LENGTH GREATER THAN ZERO
        IF WORK-EXTENSION-DECREE-NUMBER NUMERIC
            MOVE WORK-EXTENSION-DECREE-NUMBER TO COM-CT-
                WORK-EXTENSION-DECREE-NUMBER
        ELSE
            MOVE CURSOR TO WORK-EXTENSION-DECREE-NUMBER LENGTH
            SET WORK-EXTENSION-DECREE-NUMBER ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    IF WORK-EXTENSION-DATE LENGTH GREATER THAN ZERO
        IF WORK-EXTENSION-DATE NOT GREATER THAN CURRENT-DATE
            MOVE WORK-EXTENSION-DATE TO COM-CT-WORK-EXTENSION-
                DATE
        ELSE
            MOVE CURSOR TO WORK-EXTENSION-DATE LENGTH
            SET WORK-EXTENSION-DATE ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    IF PERIOD-OF-EXTENSION LENGTH GREATER THAN ZERO
        IF PERIOD-OF-EXTENSION NUMERIC
            MOVE PERIOD-OF-EXTENSION TO COM-CT-PERIOD-OF-
                EXTENSION
        ELSE
            MOVE CURSOR TO PERIOD-OF-EXTENSION LENGTH
            SET PERIOD-OF-EXTENSION ATTRIBUTE
            PERFORM 3000-FSET

```

```

ENDIF
IF EMPLOYEE-RELATION LENGTH GREATER THAN ZERO
    IF EMPLOYEE-RELATION EQUAL TO 'Y' OR 'N'
        MOVE EMPLOYEE-RELATION TO COM-CT-EMPLOYEE-RELATION
    ELSE
        MOVE CURSOR TO EMPLOYEE-RELATION LENGTH
        SET EMPLOYEE-RELATION ATTRIBUTE BYTE
        PERFORM 3000-FSET
    ENDIF
ENDIF
ENDIF
1100-COMPUTE-VARIABLES SECTION
    SUBTRACT DATE-OF-BIRTH FROM APPLICATION-DATE GIVING
        APPLICANT-AGE
    CALCULATE CURRENT-PERIOD-COVERAGE
    ADD CURRENT-PERIOD-COVERAGE, CUMULATIVE-MONTHS GIVING
        COVERED-PERIODS
    MOVE COVERED-PERIODS TO COM-CT-COVERED-PERIODS
    ADD RETIREMENT-AGE, DATE-OF-BIRTH GIVING RETIREMENT-DATE
1200-CHECK-ELIGIBILITY SECTION
    MOVE EMPLOYER-NAME TO COM-CT-EMPLOYER-NAME
    IF EMPLOYER-SECTOR NOT PRIVATE
        MOVE CURSOR TO EMPLOYER-BIN LENGTH
        SET EMPLOYER-BIN ATTRIBUTE
        MOVE 'EMPLOYER SECTOR NOT PRIVATE' TO MSG-LINE2
        PERFORM 3000-FSET
    ENDIF
DETERMINE ELIGIBILITY ACCORDING TO COVERAGE SCHEDULE

```

1400-PROCESS-TRANSACTION SECTION

MOVE 'C' TO COM-CT-TRANSACTION-TYPE  
MOVE '21' TO COM-CT-STATUS-CODE  
MOVE CURRENT DATE TO WS-HOLD-DATE  
CALL 'DATECEI' USING WS-HOLD-DATE, CONVERTED-DATE  
MOVE CONVERTED DATE TO INITIAL ENTRY DATE DATE ADDED  
MOVE COM-PANEL TO COM-CT-COM-PANEL  
MOVE '9999' TO RECORD COUNT  
MOVE COM-OPER-SIN TO APPROVED BY ISIN  
MOVE 1 TO COM-EDIT-SW  
MOVE INSTRUCTIONAL MESSAGE PROMPT TO MSG-LINE1  
MOVE 'D020' COM-TRANSID  
MOVE 'ECDP020' TO COM-DESTIN-PROG  
COM-ORIGIN-PROG  
PERFORM 4800-RESEND-MAP

2000-PROCESS-TRANSACTION SECTION

IF PF KEY DENOTES UPDATE NOT COMPLETE  
MOVE TRANSACTION NUMBER TO COM-COVERAGE-  
TRANSACTION-NUMBER  
MOVE '22' TO COM-STATUS-CODE  
INSERT COM-COVERAGE-TRANSACTION-RECORD TO  
COVERAGE-TRANSACTION DATABASE  
ENDIF  
IF PF KEY DENOTES UPDATE COMPLETE  
MOVE TRANSACTON NUMBER TO COM-COVERAGE-TRANSACTION-  
NUMBER  
MOVE '25' TO COM-STATUS-CODE  
INSERT COM-COVERAGE-TRANSACTION-RECORD TO

COVERAGE-TRANSACTION DATABASE

ENDIF

IF PF KEY DENOTES CANCEL

MOVE TRANSACTION NUMBER TO COM-COVERAGE-TRANSACTION-  
NUMBER

MOVE '98' TO COM-STATUS-CODE

INSERT COM-COVERAGE-TRANSACTION-RECORD TO  
COVERAGE-TRANSACTION DATABASE

MOVE DATA ENTRY DRIVER PROGRAM NAME TO COM-DESTIN-PROG

PERFORM 4900-XCTL

3000-FSET SECTION

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

FSET

CURSOR

END-EXEC

PERFORM 7000-BASIC RETURN

4000-OCCUP-CODE-CHECK SECTION

MOVE OCCUPATION-CODE-PREFIX TO TABLE-KEY-PREFIX

MOVE OCCUPATION-CODE TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

MOVE TABLE-DESCRIPTION TO OCCUPATION-DESCRIPTION  
OUTPUT FIELD

ELSE

FAIL EDIT

ENDIF

4000-CONTRIB-CHECK SECTION

MOVE CONTRIBUTION-CODE-PREFIX TO TABLE-KEY-PREFIX

MOVE CONTRIBUTION-CODE TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

PASS EDIT

ELSE

FAIL EDIT

ENDIF

4800-RESEND-MAP SECTION

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

CURSOR

END-EXEC

PERFORM 7000-BASIC-RETURN

4900-XCTL SECTION

EXEC CICS XCTL

PROGRAM (COM-DESTIN-PROG)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END EXEC

7000-SEND-INITIAL-MAPS SECTION

EXEC CICS SEND

MAPSET (COM-PANEL-SF .)

MAP (COM-PANEL)  
FREEKB  
CURSOR  
END-EXEC  
PERFORM 7000-BASIC-RETURN  
7000-BASIC-RETURN SECTION  
EXEC CICS RETURN  
TTANSID (COM-TRAN-ID)  
COMMAREA (DFHCOMMAREA-W)  
LENGTH (COM-LENGTH)  
END-EXEC

PROGRAM DESCRIPTION FORM

Page of

System: Coverage Date f.c.: 29 July 1984  
Subsystem: Law 79, Private Sector Date l.u.: 29 July 1984  
Function: Data Entry Processing Phase: 2  
Program: ECDP030, Coverage Termination  
CICS Trans ID: D030  
Author: SAK/MJO

Description:

The Coverage Termination Program is used to terminate the current contribution period and record that contribution period in the contribution summary portion of the Billing Database. The program will edit all variable input screen data entered from Form No. 6 and provide the operator with highlighted fields and accompanying messages to facilitate error correction. Program status checks will maintain the program within the edit function until the operator indicates that the error-free termination screen is to be processed, or indicates that the current operation is to be cancelled.

Completed terminations will be written to the Coverage Transaction Data Base for subsequent audit and database update processing. The transaction identifier obtained from the control database will be displayed on the screen so that the identifier may be annotated on the termination form to allow later retrieval of the transaction.

INPUT:

Files: Control, Employer, Tables Data Bases

Screens: Coverage Termination

OUTPUT:

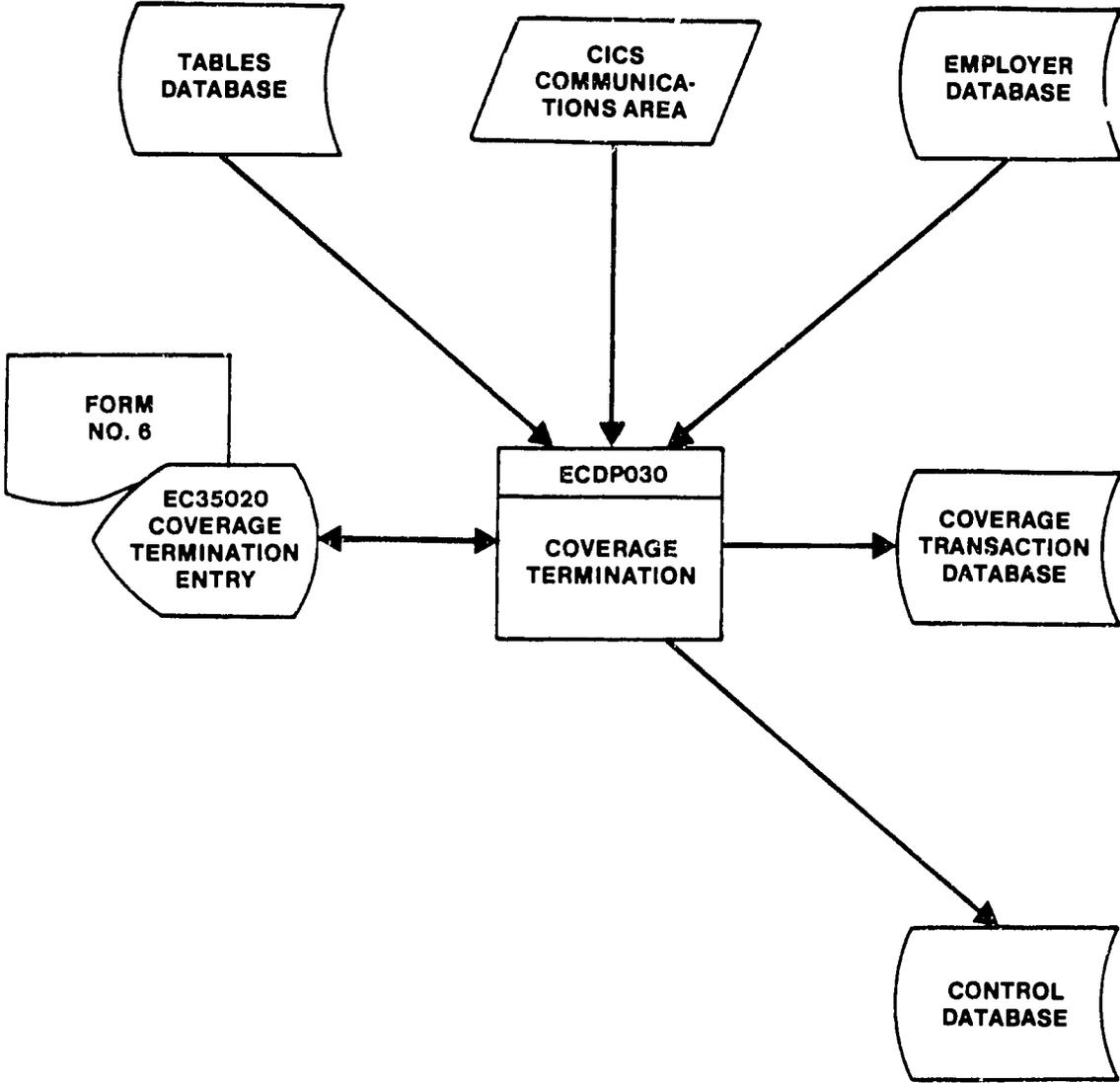
Transaction record for Individual, Coverage and Billing  
Database updates

INTERFACE:

Invoked by: EC0P050 Coverage System Driver

Transfers to: EC0P050 Coverage System Driver  
Standard Modules:

**PROGRAM I/O DIAGRAM  
COVERAGE TERMINATION**



#### 4.1 PROCESS CONTROL

```
IF COM-PASSWORD = Data Entry password AND COM-PANEL NOT
EQUAL 'EC3S02 '

    MOVE map name (EC3S02 ) TO COM-PANEL

    MOVE map set name (EC3S000S) TO COM-PANEL-SET

    MOVE program transaction ID (D030) TO COM-TRAN-ID

    MOVE operator message TO MAP-MSG-LINE1

    PERFORM 7000-SEND-INITIAL-MAPS

ENDIF

IF COM-PASSWORD = Data Entry password AND COM-PANEL EQUALS
    "EC3S02 "

    IF COM-EDIT-SW = 1

        PERFORM 2000-PROCESS-TRANSACTION

    ELSE

        PERFORM 1000-EDIT-INPUT

        PERFORM 1100-VERIFY-COVERAGE

    ENDIF

    IF COM-PASSWRD NOT EQUAL DATA ENTRY PASSWORD

        MOVE OPERATOR WARNING MESSAGE TO MSG-LINE

    EXEC CICS SEND

    FROM (MSG-LINE)

    LENGTH (79)

    ERASE

    END-EXEC

    MOVE COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID

    EXEC CICS RETURN

        TRANSID (COM-TRAN-ID)
```

```

        COMMAREA (DFHCOMMAREA-W)
        LENGTH (COM-LENGTH)
        END-EXEC
    ENDIF

    PERFORM 1400-PROCESS-TRANSACTION.

1000-EDIT-INPUT SECTION
    IF TERMINATION-DATE LENGTH GREATER THAN ZERO
        IF TERMINATION-DATE NOT GREATER THAN CURRENT-DATE
            MOVE TERMINATION-DATE TO COM-CT-TERMINATION-DATE
        ELSE
            MOVE CURSOR TO TERMINATION-DATE LENGTH
            SET TERMINATION-DATE ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ELSE
        MOVE CURSOR TO TERMINATION-DATE LENGTH
        SET TERMINATION-DATE ATTRIBUTE
        MOVE "TERMINATION DATE IS A MANDATORY DATA ITEM"
            TO MSG-LINE2
        PERFORM 3000-FSET
    ENDIF

    IF TERM-FORM-DATE LENGTH GREATER THAN ZERO
        IF TERM-FORM-DATE NOT GREATER THAN CURRENT-DATE
            MOVE TERM-FORM-DATE TO COM-CT-TERM-FORM-DATE
        ELSE
            MOVE CURSOR TO TERM-FORM-DATE LENGTH
            SET TERM-FORM-DATE ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ENDIF

```

```

        ENDIF

ELSE

        MOVE CURSOR TO TERM-FORM-DATE LENGTH
        SET TERM-FORM-DATE ATTRIBUTE
        MOVE "TERMINATION FORM DATE IS A MANDATORY FIELD"
            TO MSG-LINE2
        PERFORM 3000-FSET

ENDIF

IF TERMINATION-REASON LENGTH GREATER THAN ZERO
    PERFORM 4000-TERM-RSN-CHECK
    IF TERMINATION-REASON VALID
        MOVE TERMINATION-REASON TO COM-CT-TERMINATION-REASON
    ELSE
        MOVE CURSOR TO TERMINATION-REASON LENGTH
        SET TERMINATION-REASON ATTRIBUTE BYTE
        PERFORM 3000-FSET
    ENDIF
ELSE
    MOVE CURSOR TO TERMINATION-REASON LENGTH
    SET TERMINATION-REASON ATTRIBUTE BYTE
    MOVE `TERMINATION REASON IS MANDATORY ITEM' TO MSG-
        LINE2
    PERFORM 3000-FSET
ENDIF

ENDIF

1100-VERIFY-COVERAGE SECTION

    IF TERMINATION-DATE LESS THAN SEGMENT COVERAGE-START-DATE

```

```

        MOVE CURSOR TO TERMINATION-DATE LENGTH
        SET TERMINATION-DATE ATTRIBUTE
        MOVE 'TERMINATION DATE PRIOR TO COVERAGE START DATE' TO
            MSG-LINE2
        PERFORM 3000-FSET
    ENDIF
    IF PERIOD-END-DATE NOT EQUAL TO ZERO
        MOVE CURSOR TO TERMINATION-DATE LENGTH
        SET TERMINATION-DATE ATTRIBUTE BYTE
        MOVE 'CURRENT PERIOD ALREADY TERMINATED' TO MSG-LINE2
        PERFORM 3000-FSET
    ENDIF
1400-PROCESS-TRANSACTION SECTION
    MOVE 'T' TO COM-CT-TRANSACTION-TYPE
    MOVE '21' TO COM-CT-STATUS-CODE
    MOVE CURRENT DATE TO WS-HOLD-DATE
    CALL 'DATECEI' USING WS-HOLD-DATE, CONVERTED-DATE
    MOVE CONVERTED-DATE TO INITIAL ENTRY DATE DATE ADDED
    MOVE COM-PANEL TO COM-CT-COM-PANEL
    MOVE '9999' TO RECORD COUNT
    MOVE COM-OPER-SIN TO APPROVED BY ISIN
    MOVE 1 TO COM-EDIT-SW
    MOVE INSTRUCTIONAL MESSAGE PROMPT TO MSG-LINE1
    MOVE 'D030' TO COM-TRANSID
    MOVE 'ECDP030' TO COM-DESTIN-PROG
        COM-ORIGIN-PROG
    PERFORM 4800-RESEND-MAP
2000-PROCESS-TRANSACTION SECTION

```

IF PF KEY DENOTES UPDATE NOT COMPLETE

MOVE TRANSACTION NUMBER TO COM-REGISTRATION-  
TRANSACTION-NUMBER

MOVE '22' TO COM-STATUS-CODE

INSERT COM-COVERAGE-TRANSACTION-RECORD TO  
COVERAGE-TRANSACTION DATABASE

ENDIF

IF PF KEY DENOTES UPDATE COMPLETE

MOVE TRANSACTON NUMBER TO COM-COVERAGE-TRANSACTION-  
NUMBER

MOVE '25' TO COM-STATUS-CODE

INSERT COM-COVERAGE-TRANSACTION-RECORD TO  
COVERAGE-TRANSACTION DATABASE

ENDIF

IF PF KEY DENOTES CANCEL

MOVE '98' TO COM-STATUS-CODE

MOVE TRANSACTION NUMBER TO COM-COVERAGE-TRANSACTION-  
NUMBER

INSERT COM-COVERAGE-TRANSACTION-RECORD TO  
COVERAGE TRANSACTION DATA BASE

MOVE DATA ENTRY DRIVER PROGRAM NAME TO COM-DESTIN-PROG

PERFORM 4900-XCTL

3000-FSET SECTION

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

ERASE

```

        FSET
        CURSOR
        END-EXEC
        PERFORM 7000-BASIC RETURN
4000-TERM-RSN-CHECK SECTION
        MOVE TERMINATION-REASON-PREFIX TO TABLE-KEY-PREFIX
        MOVE TERMINATION-REASON TO TABLE-KEY-VALUE
        GET TABLES DATABASE RECORD
            IF FOUND
                MOVE TABLE-DESCRIPTION TO TERMINATION-DESC OF MAP
                COM-CT-TERMINATION-DESC
            ELSE
                FAIL EDIT
            ENDIF
4800-RESEND-MAP SECTION
        EXEC CICS SEND
            MAPSET (COM-PANEL-SET)
            MAP (COM-PANEL)
            FREEKB
            CURSOR
        END-EXEC
        PERFORM 7000-BASIC-RETURN
4900-XCTL SECTION
        EXEC CICS XCTL
            PROGRAM (COM-DESTIN-PROG)
            COMMAREA (DFHCOMMAREA-W)
            LENGTH (COM-LENGTH)

```

END-EXEC

7000-SEND-INITIAL-MAPS SECTION

MOVE COMMAREA REGION-CODE TO MAP

MOVE COMMAREA REGION-DESCRIPTION TO MAP

MOVE COMMAREA LOCAL-OFFICE-CODE TO MAP

MOVE COMMAREA LOCAL-OFFICE-DESCRIPTION TO MAP

MOVE COMMAREA UNIT-CODE TO MAP

MOVE COMMAREA UNIT-DESCRIPTION TO MAP

MOVE COMMAREA SIN TO MAP

MOVE COMMAREA NAME TO MAP

MOVE COMMAREA EMPLOYER-BIN TO MAP

GET EMPLOYER SEGMENT

IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'

MOVE CURSOR TO EMPLOYER-BIN

SET EMPLOYER-BIN ATTRIBUTE BYTE

MOVE 'NO EMPLOYER SEGMENT EXISTS' TO MSG-LINE2

PERFORM 4800-RECEIVED-MAP

ENDIF

MOVE BUSINESS-NAME TO MAP

MOVE SECTOR LITERAL TO MAP BASED ON SECTOR-CODE

GET CONTROL SEGMENT

IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'

MOVE CURSOR TO TRANSACTION-NUMBER

SET TRANSACTION-NUMBER ATTRIBUTE BYTE

MOVE 'CONTROL DB ERROR - NOTIFY MANAGER' TO MSG-LINE2

PERFORM 4800-RESEND-MAP

ENDIF

MOVE NEXT-COVERAGE-TRANSACTION-NUMBER TO MAP

```

ADD 1 TO NEXT-COVERAGE-TRANSACTION-NUMBER
REWRITE CONTROL SEGMENT
IF RETURN CODE INDICATES 'REWRITE NOT SUCCESSFUL'
    MOVE CURSOR TO TRANSACTION-NUMBER
    SET TRANSACTION-NUMBER ATTRIBUTE BYTE
    MOVE 'ERROR REWRITING CONTROL DB SEGMENT' TO MSG-LINE2
    PERFORM 4800-RESEND-MAP
ENDIF
PERFORM 4000-OCCUP-CODE-CHECK
EXEC CICS SEND
    MAPSET (COM-PANEL-SET)
    MAP (COM-PANEL)
    FREEKB
    ERASE
    MAPONLY
    CURSOR
END-EXEC
PERFORM 7000-BASIC-RETURN
7000-BASIC-RETURN SECTION
EXEC CICS RETURN
    TRANSID (COM-TRAN-ID)
    COMMAREA (DFHCOMMAREA-W)
    LENGTH (COM-LENGTH)
END-EXEC

```

PROGRAM DESCRIPTION FORM

System: Coverage Author: CB  
Subsystem: Law 79, Private Sector Date f.c.: 9/4/84  
Function: Data Entry Processing Date l.u.:  
Program: ECDP040, Purchasing Periods Phase: 2  
Data Entry

CICS Trans ID: D040

Description:

If an individual is currently covered and has not yet reached pensionable age, he may purchase any uncovered periods in his past toward his retirement, provided he buys in blocks of one or more years. If, however, he is not currently covered, he may still be eligible to purchase uncovered periods if by so purchasing it will qualify him for a 19 year retirement. Furthermore, he may take out a loan to pay for the period purchase if the purchase would qualify him for a 9 or 19 year retirement, depending on his age.

He may elect to pay the entire premium at one time, or monthly until his 60th birthday, or if eligible, take out a 5, 10, or 15 year loan to make the lump sum payment. All of his options are calculated and displayed on the screen for his selection.

When the Data Entry Clerk enters the individual's Application Date and the desired Coverage Start and End Dates, the screen comes back with employee information from his Individual Segment and his Coverage Periods Segment. If there are one or more periods that he is eligible to purchase, the application is written to the Transaction Database and a message appears that he is eligible. His eligibility for a loan is also indicated at that time. A lock is placed on his individual record and no more transactions may be initiated against the applicant until the Auditor later completes or rejects the transaction.

INPUTS:

Files: Table, Coverage Transaction and Coverage Data  
Bases

Screens: Purchase Period Application Screen

Reports:

Documents: Birth Certificate

OUTPUTS:

Files: Transaction Coverage Data Base

Screens: Purchase Period Application Screen

Reports:

Documents:

INTERFACE:

Invoked by: Coverage System Driver

Transfers to: Coverage System Driver  
AESIS Main Menu

STANDARD MODULES:

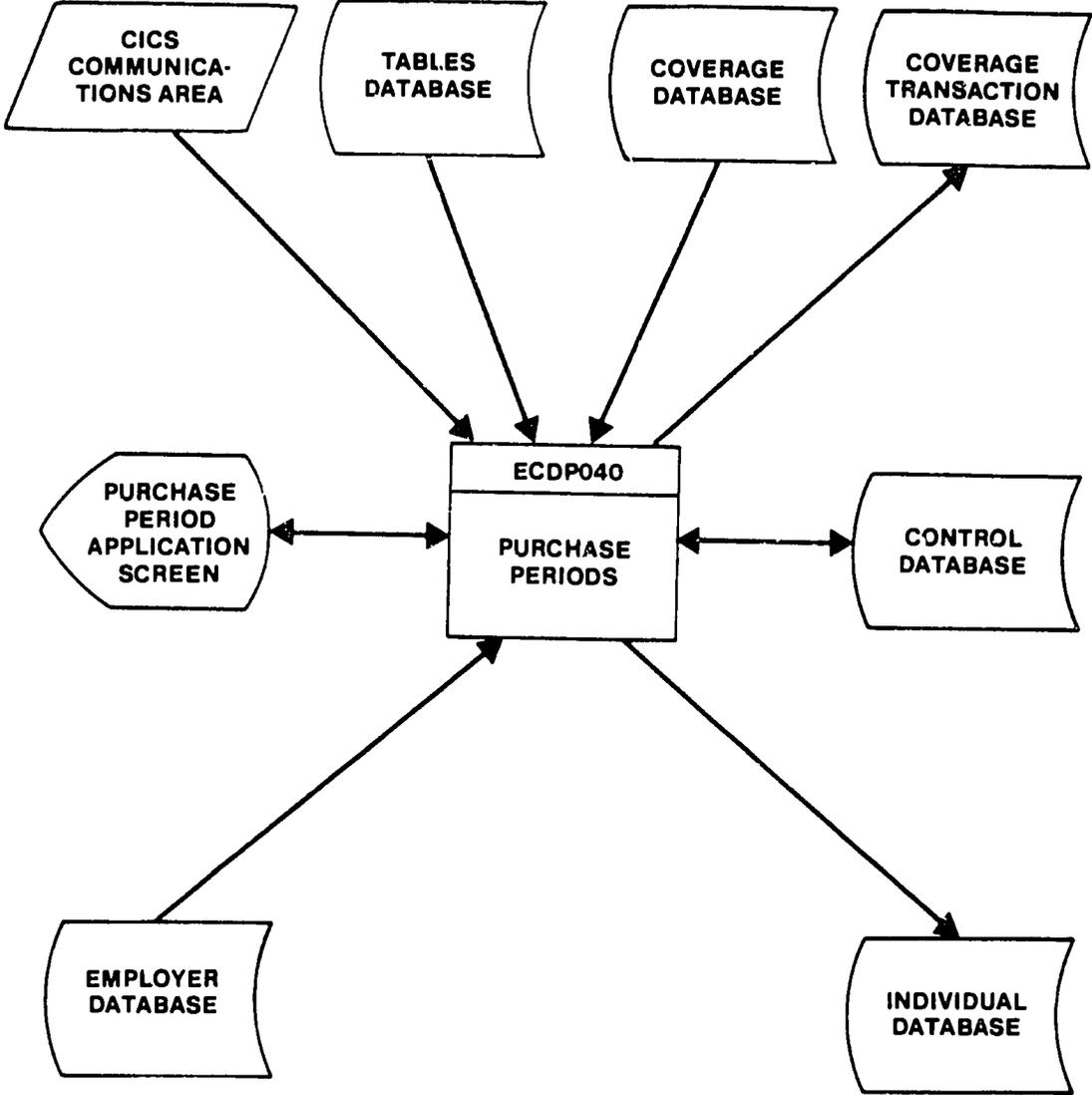
Name:

Function:

PROCESSING LOGIC

Validate operator as Data Entry type. If data entry, validate data; check applicant's eligibility for purchasing uncovered periods; find uncovered segments eligible for purchase and compute eligible years. Determine if applicant is eligible for a loan and send appropriate message; insert this record in Transaction Segment; set Transaction Lock; send verification screen and return to CICS.

**PROGRAM I/O DIAGRAM  
PURCHASE PERIODS**



PROCESS CONTROL

PROGRAM EC P040

PURCHASING PERIODS--DATA ENTRY

1000--INITIALIZATION

MOVE COMMAREA DATA TO WE-COMAREA

IF PROGRAM-STATE = 1

GO TO 2000--PROGRAM-STATE-1

MOVE COM-SIN TO COVERAGE-SSA

CALL 'CBLTDLI' USING (GET DATA FOR FIRST SCREEN)

GET NEXT

COVERAGE--PERIODS-PCB

COVERAGE--SSA

COVERAGE--PERIODS-SSA

MOVE EMPLOYER-BIN TO EMPLOYER-SSA

CALL 'CBLTDLI' USING (NOW GET EMPLOYER NAME FOR SCREEN END)

GET UNIQUE

EMPLOYER-PCB

EMPLOYER-SSA

MOVE EMPLOYER-NAME TO MAP-EMPLOYER

MOVE COVERAGE BIN, SALARY, AND WORK-START-DATE

TO MAP-AREA

SET PROGRAM-STATE TO 1

EXEC CICS SEND

MAPSET (ECDS0005)

MAP (ECDS040)

FROM (MAP-AREA)

FREEKB

ERASE

```
CURSOR
END-EXEC
EXEC CICS RETURN
    TRANS-ID (COM-TRANS-ID)
    COMMAREA (DFHCOMAREA)
    LENGTH (COM-LENGTH)
END-EXEC
```

```
2000-PROGRAM--STATE-1
```

```
EXEC CICS RECEIVE
    MAPSET (ECDS0005)
    MAP (ECDS040)
    INTO (MAP-AREA)
END-EXEC
IF PFK = CANCEL
    SET MESSAGE-LINE TO 'CANCELLED AT OPERATOR REQUEST'
    EXEC CICS SEND
        MAPSET (ECDS0005)
        MAP (ECDS040)
        LENGTH (79)
        FREEKB
        ERASE
        CURSOR
    END-EXEC
    GO TO 9999-TERMINATE
ENDIF
IF PFK = RETURN
```

EXEC CICS XCTL

PROGRAM (COVERAGE-DRIVER)

COMMAREA (DEHCOMAREA)

LENGTH (COM-LENGTH)

END-EXEC

ENDIF

IF PFK = MAIN-MENU

EXEC CICS XCTL

PROGRAM (ECOP000)

COMMAREA (DFHCOMAREA)

LENGTH (COM-LENGTH)

END-EXEC

ENDIF

IF INDIVIDUAL-LOCK IS ON

IF ENTRY-SIN NOT DE OPERATOR

SET MESSAGE-LINE TO

'TRANSACTION ABORTED. DATABASE LOCKED FOR  
PENDING TRANSACTIONS'

GO TO 999-BAD-ENDING

ENDIF

ENDIF

\*\*\*\*\* VALIDATE NEW MODIFICATIONS

IF PERIOD-START-DATE NOT LESS THAN PERIOD-END-DATE

SET MESSAGE-LINE TO 'START DATE NOT LESS THAN END DATE'

GO TO 9999-BAD ENDING

ENDIF

IF APPLICATION-DATE LESS THAN PERIOD-END DATE

SET MESSAGE-LINE TO 'APPLICATION DATE LESS THAN END DATE'

```

        GO TO 9999-BAD ENDING
ENDIF
IF APPLICATION-DATE GREATER THAN CURRENT-DATE
    SET MESSAGE-LINE TO 'APPLIC DATE GREATER THAN CURR DATE'
    GO TO 4999-BAD-ENDING
ENDIF
MOVE COM-UNIT TO UNIT-SSA
CALL 'CBLTDLI' USING
    GET UNIQUE
    UNIT-TABLE-PCB
    TABLE-SSA
    UNIT-SSA
IF UNIT NOT FOUND
    SET MESSAGE-LINE TO 'UNIT DOESNT EXIST IN UNIT TABLE'
    GO TO 9999-BAD-ENDING
ENDIF

6010-GET-UNCOVERED (CHECK TO SEE IF THERE ARE ELIG PERIODS)
CALL 'CBLTDLT' USING
    GET NEXT PARENT
    COVERAGE-PCB
    COVERAGE-PERIODS SEGMENT
IF NO MORE RECORDS
    SET INDEX TO 1
    IF WS-START-DATE (INDEX) = ZERO
        SET MESSAGE-LINE TO 'NO ELIGIBLE UNCOVERED PERIODS'
        GO TO 9999-BAD-ENDING
    ENDIF

```

```

        GO TO 6020-ELIGIBILITY-CHECK
    ENDIF
    IF PERIOD-STATUS-CODE NOT = 'PAST UNCOVERED'
        GO TO 6010-GET-UNCOVERED
    ENDIF
    IF PERIOD-START-DATE GREATER THAN UNCOV-START-DATE
        GO TO 6010-GET-UNCOVERED
    ENDIF
    IF PERIOD-END-DATE NOT LESS THAN UNCOV-END-DATE
    ADD 1 TO INDEX
    MOVE UNCOV-START-DATE TO
        WS-START-DATE (INDEX)
        TRANS-START (INDEX)
    MOVE UNVOC-END-DATE TO WE-END-DATE (INDEX)
    COMPUTE WE-ELIGIBLE-YEARS (INDEX)
        = WE-END-DATE (INDEX) MINUS WS-START-DATE (INDEX)
    ADD WS-ELIGIBLE-YEARS (INDEX) TO WS-ELIGIBLE-YEARS
    MOVE WE-ELIGIBLE-YEARS (INDEX) TO TRANS-ELIC-YRS (INDEX)
    GO TO 6010--GET-UNCOVERED
ENDIF

6020-ELIGIBILITY-CHECK
    IF PERIOD-START-DATE LESS THAN DOB PLUS 20 YEARS
        SET MESSAGE-LINE TO `START DATE MUST BE AFTER AGE 20'
        GO TO 999-BAD-ENDING
    ENDIF
    IF COVERAGE-END-DATE EQUAL ZERO (STILL COVERED)
        GO TO 6030-LOAN-ELIGIBILITY

```

ENDIF

\*\*\*\*\* ELSE IF NOT WORKING, WILL HE QUALIFY FOR RETIREMENT  
DIVIDE CUMULATIVE-MONTHS IN COVERAGE ROOT BY 12  
GIVING COVERED-YEARS  
IF COVERED-YEARS GREATER THAN 19  
SET MESSAGE-LINE TO `NON WORKING ALREADY HAS 19 YEARS  
GO TO 9999-BAD-ENDING

ELSE

ADD WS-ELIGIBLE-YEARS TO COVERED-YEARS  
GIVING PROJECTED-COVERED-YEARS  
IF PROJECTED-COVERED-YEARS LESS THAN 19  
SET MESSAGE-LINE TO  
'NON WORKING CANT GET 19 YEARS WITH PURCHASE'  
GO TO 9999-BAD-ENDING

ENDIF

ENDIF

6080-LOAN-ELIGIBILITY

SET LOAN-FLAG TO 'YES'

CALL 'DATEDIF' USING

DOB

APPLICATION-DATE

WS-AGE

DIVIDE WS-AGE BY 365 ROUNDED UP

IF DOB GREATER THAN 4/1/31

SET LOAN-FLAG TO 'NO'

GO TO 6040-ELIGIBLE

ENDIF

IF WS-AGE LESS THAN 60

IF PROJECTED-COVERED-YEARS LESS THAN 19

SET LOAN-FLAG TO 'NO'

ENDIF

ELSE

IF PROJECTED-COVERED-YEARS LESS THAN 9

SET LOAN-FLAG TO 'NO'

ENDIF

ENDIF

6040-ELIGIBLE

IF LOAN-FLAG = 'YES'

SET MESSAGE-LINE TO 'ELIGIBLES FOR PURCHASE AND LOAN'

ELSE

SET MESSAGE-LINE TO 'ELIGIBLE FOR PURCHASE WITHOUT LOAN'

ENDIF

SET TRANSACTION STATUS-CODE TO 'AUDITOR MODIFIED'

SUBTRACT 1 FROM TRANS-RECORD-COUNT

CALL 'CBLTDLI' USING

INSERT

TRANSACTION-PCB

TRANS-SSA

SET COM-PROGRAM-STATE TO ZERO

GO TO 999-SEND-SCREEN

9999-SEND-SCREEN

EXEC CICS SEND

MAPSET (ECDSODDS)

MAP (ECDS125)

FROM (MAP-AREA)

END-EXEC

9999--TERMINATE

EXEC CICS RETURN

TRANS-ID (COM-TRANS-ID)

COMMAREA (DFHCOMAREA)

LENGTH (COM-LENGTH)

END-EXEC

9999-BAD-ENDING

EXEC CICS SEND

FROM (MESSAGE-LINE)

LENGTH (79)

END-EXEC

SET COM-TRAN-ID TO 9999

GO TO 9999--TERMINATE

PROGRAM DESCRIPTION FORM

System: Coverage Author: CB  
Subsystem: Law 79, Private Sector Date: f.c.: 9/12/84  
Function: Data Entry Processing Date: l.u.: 9/13/84  
Program: ECDP050 - Upgrade Periods

CICS Trans ID: D050

Description:

If an individual is currently covered and has not yet reached pensionable age, he may wish to upgrade his coverage prior to 9/1/75 (when the SIO program began) so that his social insurance benefits may be increased. He may do this for the employment period prior to coverage under SIO for whatever months he was working for the same employer on and prior to 9/1/75.

He may elect to pay the entire premium at once, or monthly until his 60th birthday, or if eligible, take out a 5, 10, or 15 year loan to make the lump sum payments. All of his options are calculated and displayed on the screen for his selection.

When the Data Entry Clerk enters the individual's Application Date and the desired coverage start dates, the screen comes back with employee information from his Individual Segment and his Coverage Periods Segment. If there are one or more periods that he is eligible to upgrade, the application is written to the coverage Transaction Database and a message appears that he is eligible. His eligibility for a loan is also indicated at that time. A lock is placed on his individual record and no more transactions may be initiated against the applicant until the Auditor later completes or rejects the transaction.

**INPUTS:**

Files: Unit Table, Transaction Segment, Coverage Periods Segment

Screens: Coverage Upgrade Application Screen (EC 3050)

Reports:

Documents: Borth Certificates

**OUTPUTS:**

Files: Transaction Segment, Coverage Periods Segment

Screens: Coverage Upgrade Application Screen (EC 3050)

Reports:

Documents:

**INTERFACE:**

Invoked by: Coverage Subsystem Menu

Transfers to: Coverage Subsystem Menu  
AESIS Main Menu

**STANDARD MODULES:**

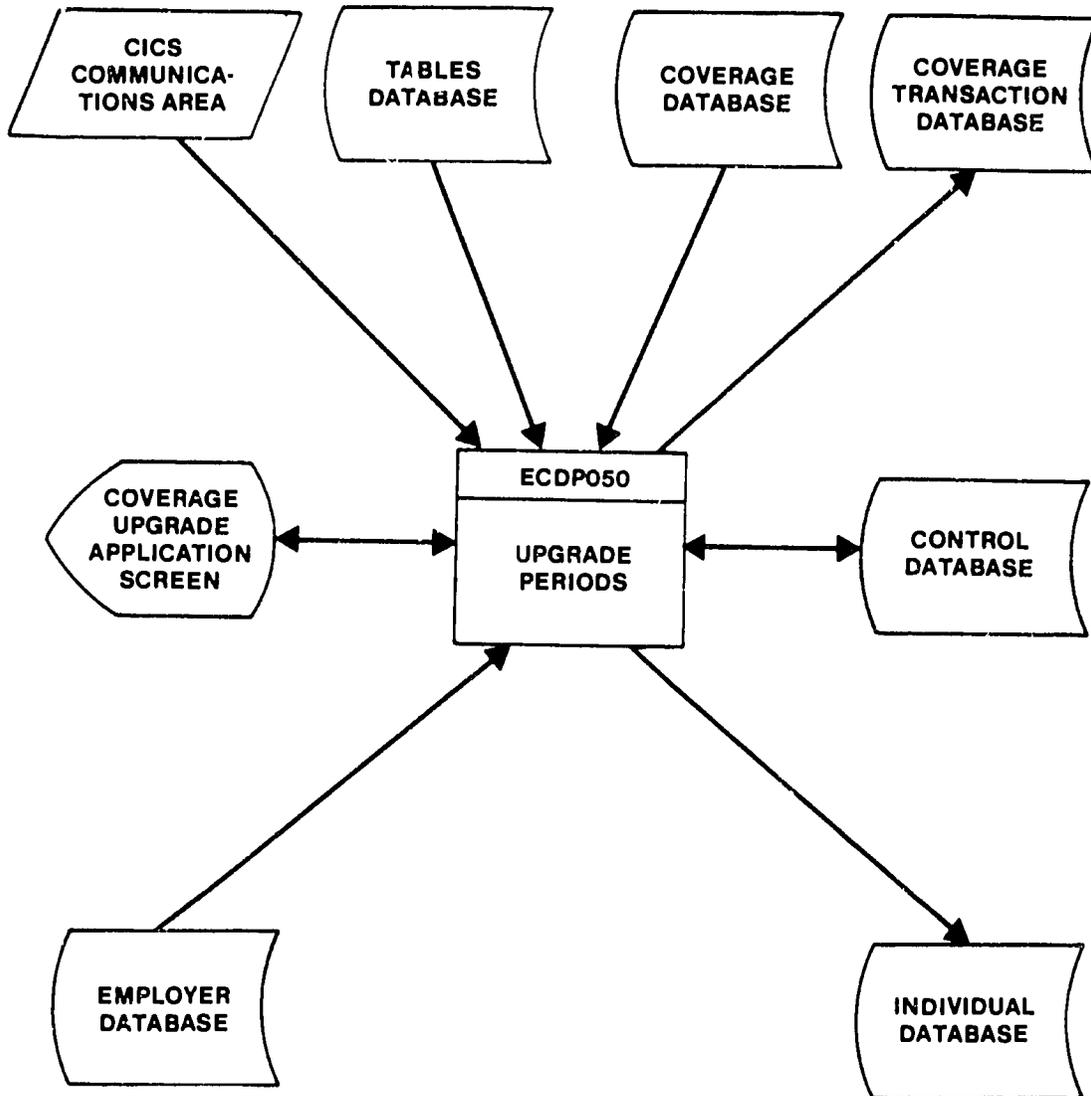
Name:

Function:

**PROCESSING LOGIC**

Validate operator as Data Entry type. If data entry, validate data; check applicant's eligibility for upgrading periods; find period on the Coverage Segment eligible for upgrading, and compute eligible months; determine if applicant is eligible for a loan and send appropriate message; insert this record in Transaction Segment; Set Transaction Lock; send verification screen and return to CICS.

# PROGRAM I/O DIAGRAM UPGRADE PERIODS



PROCESS CONTROL

PROGRAM ECDP050

UPGRADING PERIODS - DATA ENTRY

1000-INITIALIZATION

MOVE COMMAREA DATA TO WS-COMAREA

IF PROGRAM-STATE = 1

GO TO 2000-PROGRAM-STATE-1

MOVE COM-SIN TO COVERAGE-SSA

CALL 'CBLTDLI' USING (GET DATA FOR FIRST SCREEN)

GET NEXT

COVERAGE-PERIODS-PCB

COVERAGES-SSA

COVERAGE-PERIODS-SSA

MOVE EMPLOYER-BIN TO EMPLOYER-SSA

CALL 'CBLTDLI' USING (NOW GET EMPLOYER NAME FOR SCREEN)

GET UNIQUE

EMPLOYER-PCB

EMPLOYER-SSA

MOVE EMPLOYER-NAME TO MAP-EMPLOYER

MOVE COVERAGE BIN, SALARY, AND WORK-STA.

TO MEP-ACEA

SET PROGRAM-STATE TO 1

EXEC CICS SEND

MAPSET (ECDS0005)

MAP (ECDM050)

FROM (MAP-AREA)

FREEKB

ERASE

```

        CURSOR
END-EXEC
EXEC CICS RETURN
        TRANS-ID (COM-TRANS-ID)
        LENGTH   (COM-LENGTH)
END-EXEC
2000-PROGRAM-STATE-1
EXEC CICS RECEIVE
        MAPSET (EC S0005)
        MAP     (EC S050)
        INTO    (MAP-AREA)
END-EXEC
IF PFK = CANCEL
        SET MESSAGE-LINE TO 'CANCELLED AT OPERATOR REQUEST'
EXEC CICS SEND
        MAPSET (EC S005)
        MAP     (EC S050)
        LENGTH (79)
        FREEKB
        ERASE
        CURSOR
END-EXEC
GO TO 9999 - TERMINATE
ENDIF
IF PFK = RETURN
EXEC CICS XCTL
        PROGRAM (COVERAGE-DRIVER)

```

```

        COMMAREA (DFHCOMAREA)
        LENGTH   (COM-LENGTH)
    END-EXEC

ENDIF

IF PFK = MAIN-MENU
    EXEC CICS XCTL
        PROGRAM   (EC P000)
        COMMAREA (DFHCOMAREA)
        LENGTH   (COM-LENGTH)
    END-EXEC
ENDIF

IF INDIVIDUAL-LOCK IS ON
    IF ENTRY-SIN NOT DE OPERATOR
        SET MESSAGE-LINE TO
            `TRANSACTION ABORTED. DATABASE LOCKED FOR
            PENDING TRANSACTIONS`
        GO TO 999- BAD-ENDING
    ENDIF
ENDIF

***** VALIDATE NEW MODIFICATIONS

IF PERIOD-START-DATE-NOT LESS THAN CONTRIBUTION-START-DATE
    SET MESSAGE-LINE TO 'START DATE MUST BE LESS THAN
        CONTRIBUTION START DATE'
    GO TO 9999-BAD-ENDING
ENDIF

IF APPLICATION-DATE GREATER THAN CURRENT-DATE
    SET MESSAGE-LINE TO `APPLIC DATE GREATER THAN CURR DATE`
    GO TO 4999-BAD-ENDING

```

```

ENDIF
MOVE COM-UNIT TO UNIT-SSA
CALL ' CBLTDLI ' USING
    GET UNIQUE
    UNIT-TABLE-PCB
    TABLE-SSA
IF UNIT NOT FOUND
    SET MESSAGE-LINE TO 'UNIT DOESNT EXIST IN UNIT TABLE'
    GO TO 9999-BAD-ENDING
ENDIF
6000 ELIGIBILITY-CHECK
    IF COVERAGE-END-DATE NOT EQUAL ZERO
        SET MESSAGE-LINE TO 'NUT CURRENTLY COVERED-INELIGIBLE'
        GO TO 4999-BAD-ENDING
    ENDIF
    PERFORM PENSIONABLE-AGE-ROUTINE
    IF APPLICATION-DATE NOT LESS THAN PENSIONABLE-AGE-DATE
        SET MESSAGE-LINE TO 'APPLICATION DATE MUST BE BEFORE
            PENSIONABLE AGE`
        GO TO 4999-BAD-ENDING
    ENDIF
*   A PERIOD STATUS CODE OF 53, 58, OR 59 DEFINES THAT PERIOD
*   BEFORE 9/1/75 FOR WHICH THE INSURED IS ENTITLED TO END OF
*   WORKING PERIOD COMPENSATION
*   ADJUST PERIOD START DATE TO BEGINNING OF MONTH
    IF PERIOD-START-DAY NOT EQUAL 1
        ADD 1 TO PERIOD-START-MONTH

```

```

        MOVE 1 TO PERIOD-START-DAY
    ENDIF

6030-FIND-ELIGIBLE-SEGMENT
    IF PERIOD-STATUS-CODE EQUAL 53, 58, OR 59
        IF SIO-CONTRIB-START-DATE BETWEEN COVERAGE START AND END
            DATES
                MOVE EMPLOYER-BIN TO HOLD-BIN
                IF PERIOD-START-DATE GREATER THAN
                    COVERAGE-START-DATE
                    COMPUTE DAY-COUNT FROM PERIOD-START-DATE TO
                        COVERAGE-END-DATE
                    COMPUTE MONTH-COUNT FROM PERIOD-START-DATE
                        TO SIO-CONTRIB-START-DATE
                ELSE
                    COMPUTE DAY-COUNT FROM COVERAGE-START-DATE TO
                        COVERAGE-END-DATE
                    COMPUTE MONTH-COUNT FROM COVERAGE-START-DATE TO
                        SIO-CONTRIB-START-DATE
                ENDIF
                ADD DAY-COUNT TO TOTAL-COVERD-DAYS
                ADD MONTH-COUNT TO TOTAL-UPGRADE-MONTHS
                GO TO 6040-FOUND-ELIGIBLE-SEGMENT
            ENDIF
        ENDIF
    ENDIF
    CALL 'DATEDIF' USING
        COVERAGE-START-DATE
        COVERAGE-END-DATE

```

```

        DAY-COUNT
ADD DAY-COUNT TO TOTAL-COVERED-DAYS
READ NEXT COVERAGE-PERIODS SEGMENT
IF NO MORE RECORDS
        SET MESSAGE-LINE TO 'ELIGIBLE SEGMENT NOT FOUND'
        GO TO 4999-BAD-ENDING
ELSE
        GO TO 6030-FIND-ELIGIBLE-SEGMENT
ENDIF
6040-FOUND-ELIGIBLE-SEGMENT
        IF PERIOD-START-DATE GREATER THAN COVERAGE-START-DATE
                GO TO 6052-LOAN-ELIGIBILITY
        ENDIF
        READ NEXT COVERAGE-PERIODS SEGMENT
        IF NO MORE RECORDS
                GO TO 6050-LOAN-ELIGIBILITY
        IF EMPLOYER-BIN NOT EQUAL HOLD-BIN
                GO TO 6050-LOAN-ELIGIBILITY
        IF PERIOD-STATUS-CODE NOT EQUAL 53, 58, OR 59
                GO TO 6050-LOAN ELIGIBILITY
        IF PERIOD-START-DATE GREATER THAN COVERAGE-START-DATE
                COMPUTE DAY-COUNT FROM PERIOD-START-DATE TO COVERAGE-
                END-DATE
                COMPUTE MONTH-COUNT FROM PERIOD-START-DATE TO COVERAGE-
                END-DATE
        ELSE
                COMPUTE DAY-COUNT FROM COVERAGE-START-DATE TO COVERAGE-

```

```

        END-DATE
        COMPUTE MONTH-COUNT FROM COVERAGE-START-DATE TO COVERAGE-
        END-DATE
    ENDIF
    ADD DAY-COUNT TO TOTAL-COVERED-DAYS
    ADD MONTH-COUNT TO TOTAL-UPGRADE-MONTHS
    GO TO 6040-FOUND-ELIGIBLE-SEGMENT
6J50-LOAN-ELIGIBILITY
    MOVE COVERAGE-START-DATE TO TRANS-START
    SET LOAN-FLAG TO 'YES'
    IF DOB GREATER THAN 4/1/34
        SET LOAN-FLAG TO 'NO'
    ENDIF
    CALL 'DATEDIF' USING
        DOB
        APPLICATION-DATE
        WS-AGE
    DIVIDE WS-AGE BY 365 ROUNDED UP
    DIVIDE TOTAL-COVERED-DAYS BY 365 GIBING COVERED-YEARS
    IF WE-AGE NOT LESS THAN 60
        IF COVERED-YEARS LESS THAN 9
            SET LOAN-FLAG TO 'NO'
        ENDIF
    ELSE
        IF COVERED-YEARS LESS THAN 19
            SET LOAN-FLAG TO 'NO'
        ENDIF
    ENDIF
ENDIF

```

6068-ELIGIBLE

```
    IF LOAN-FLAG = 'YES'
        SET MESSAGE-LINE TO 'ELIGIBLE FOR PURCHASE AND LOAN'
    ELSE
        SET MESSAGE-LINE TO 'ELIGIBLE FOR PURCHASE WITHOUT LOAN'
    ENDIF
    MOVE DATA TO TRANSACTION-RECORD
    SET TRANSACTION STATUS-CODE TO 'READY FOR AUDIT'
    SET TRANS-RECORD-COUNT TO 9999
    CALL 'CBLTDLI' USING
        INSERT
        TRANSACTION-PCB
        TRANS-SSA
    SET COM-PROGRAM-STATE TO ZERO
    GO TO 9999-SEND-SCREEN
9999-SEND-SCREEN
    EXEC CICS SEND
        MAPSET (EC SODD5)
        MAP     (EC S125)
        FROM   (MAP-AREA)
    END-EXEC
9999-TERMINATE
    EXEC CICS RETURN
        TRANS-ID (COM-TRANS-ID)
        COMMAREA (DFHCOMAREA)
        LENGTH   (COM-LENGTH)
    END-EXEC
```

9999-BAD-ENDING

EXEC CICS SEND

FROM (MESSAGE-LINE)

LENGTH (79)

END-EXEC

SET COM-TRAN-ID TO 9999

GO TO 999-TERMINATE

PROGRAM DESCRIPTION FORM

Page of

System: Coverage Date f.c.: 29 July 1984  
Subsystem: Law 79, Private Sector Date l.u.: 29 July 1984  
Function: Auditor Processing Phase: 2  
Program: ECDP100, Auditor Processing Driver  
CICS Trans ID: D100  
Author: MJO

Description

The Auditor Processing Driver Program will display an initial screen to the auditor requesting the identifier of the transaction to be audited. The program will then edit the transaction identifier, retrieve the transaction record from the Coverage Transaction Data Base, insure the transaction is in a valid audit status, determine the appropriate audit processing program and transfer control to the processing program.

Upon return from the processing program, this program will display audit results, and provide the auditor with PF key selections for further audits or return to higher level drivers.

INPUT:

Screen: Coverage Audit Transaction Selection Screen

Files: Coverage Transaction Data Base

OUTPUT:

Screen: Coverage Audit Transaction Selection Screen

Note: The Coverage Transaction segment is transferred to the audit processing modules via the COMMAREA

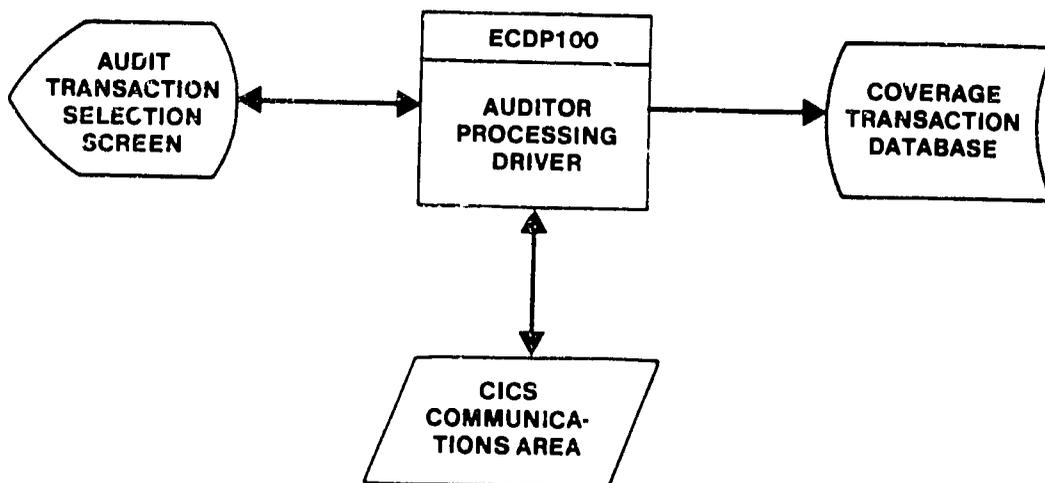
INTERFACE:

Invoked by: EC0P050 Coverage System Driver

Transfers to: EC0P050 Coverage System Driver  
ECDP110 Audit Coverage Application  
ECDP120 Audit Coverage Change  
ECDP130 Audit Coverage Termination  
ECDP140 Audit Purchase Periods

## ECDP150 Audit Upgrade Periods

**PROGRAM I/O DIAGRAM  
AUDITOR PROCESSING DRIVER**



#### 4.1 PROCESS CONTROL

```
EXEC CICS RECEIVE
  MAP (COM-PANEL)
  MAPSET (COM-PANEL-SET)
END-EXEC
IF COM-PROGRAM-STATE EQUAL TO ZERO
  PERFORM 0100-INITIATE-AUDIT
ENDIF
IF COM-PROGRAM-STATE EQUAL 1
  IF PF KEY INDICATES CANCEL
    MOVE 'AUDIT CANCELLED' TO MSG-LINE2
    PERFORM 3000-RESEND-SCREEN
  ELSE
    PERFORM 1000-EDIT-INPUT
    SET COM-PROGRAM-STATE TO 2
    PERFORM 1200-DETERMINE-PROCESS-PGM
  ENDIF
ENDIF
IF COM-PROGRAM-STATE EQUAL TO 2
  SET COM-PROGRAM-STATE TO ZERO
  MOVE COMPLETION MESSAGE TO MSG-LINE2
  PERFORM 3000-RESEND-SCREEN
ENDIF
0100-INITIATE-AUDIT SECTION
  SET COM-PROGRAM-STATE TO 1
  EXEC CICS SEND
    MAPSET (COM-PANEL-SET)
```

MAP (COM-PANEL)  
FREEKB  
ERASE  
MAPONLY  
CURSOR  
END-EXEC  
PERFORM 9000-BASIC-RETURN

1000-EDIT-INPUT SECTION

IF TP^NSACTION-ID LENGTH GREATER THAN ZERO

IF TRANSACTION-ID NUMERIC

PERFORM 1100-GET-TRANSACTION

ELSE

MOVE CURSOR TO TRANSACTION-ID LENGTH

SET TRANSACTION-ID ATTRUBUTE

MOVE 'TRANSACTION-ID INVALID' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

ENDIF

ELSE

MOVE CURSOR TO TRANSACTION-ID LENGTH

SET TRANSACTION-ID ATTRIBUTE BYTE

MOVE `TRANSACTION-ID IS MANDATORY ITEM' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

ENDIF

ENDIF

1100-GET-TRANSACTION SECTION

GET TRANSACTION SEGMENT

IF SEGMENT NOT FOUND

```

        MOVE CURSOR TO TRANSACTION-ID LENGTH
        SET TRANSACTION-ID ATTRIBUTE
        MOVE 'TRANSACTION SEGMENT NOT FOUND' TO MSG-LINE2
        PERFORM 3000-RESEND-SCREEN
    ELSE
        MOVE TRANSACTION SEGMENT TO COMMAREA
    ENDIF
1200-DETERMINE-PROCESS-PGM SECTION
    IF TRANSACTION-TYPE EQUALS 'A' (NEW APPLICATION)
        MOVE 'ECDP110' TO COM-DESTIN-PROG
    ELSE
        IF TRANSACTION-TYPE EQUALS 'C' (COVERAGE CHANGE)
            MOVE 'ECDP120' TO COM-DESTIN-PROG
        ELSE
            IF TRANSACTION-TYPE EQUALS 'T' (COVERAGE TERMINATION)
                MOVE 'ECDP130' TO COM-DESTIN-PGM
            ELSE
                IF TRANSACTION-TYPE EQUALS 'P' (PURCHASE PERIODS)
                    MOVE 'ECDP140' TO COM-DESTIN-PGM
                ELSE
                    IF TRANSACTION-TYPE EQUALS 'U' (UPGRADE PERIODS)
                        MOVE 'ECDP150' TO COM-DESTIN-PGM
                    ENDIF
                EXEC CICS XCTL
                    PROGRAM (COM-DESTIN-PROG)
                    COMMAREA (DFHCOMMAREA-W)
                    LENGTH (COM-LENGTH)
            ENDIF
        ENDIF
    ENDIF

```

END-EXEC

3000-RESEND-SCREEN SECTION

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

CURSOR

END-EXEC

PERFORM 9000-BASIC RETURN

9000-BASIC-RETURN SECTION

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

PROGRAM DESCRIPTION FORM

Page of

System: Coverage

Date f.c.: 29 July 1984

Subsystem: Law 79, Private Sector

Date l.u.: 29 Aug 1984

Function: Auditor Processing

Phase: 2

Program: ECDP110, Audit Coverage Application

CICS Trans ID: D110

Author: SAK/MJO

Description:

The Coverage Application Audit Program will display the selected transaction for the auditor. The auditor may then approve the transaction, reject the transaction, place it in hold status, assign the transaction to investigation status, or modify the transaction. If the auditor modifies the transaction, this program will first ensure that all variables entered on the Coverage Application Screen are valid. For coded variables the code description will be retrieved from the appropriate table and displayed in the output screen. The applicant is then checked for eligibility according to the rules defined in the Schedule of Coverage for Law 79.

During the edit/eligibility checking process, error correction will be facilitated by means of highlighted fields and accompanying error messages. Once the auditor enters the modify transaction mode, program status checks will maintain the program within the edit/eligibility process until the auditor either indicates a disposition action (i.e., accept, reject, investigate, hold) for an error free transaction, or cancels the current operation.

The Coverage Application Contribution Calculation Section will calculate the contribution required for each type of insurance the applicant is eligible for according to the Schedule of Contributions for Law 79.

Upon completion of processing, the transaction will be written to the Coverage Transaction Data Base with any modifications made by the auditor and with an updated transaction status code. Additionally, approved transactions will be passed to the database update section, where appropriate modifications, additions and deletions will be made to the Individual, Coverage, and Billing databases.

**INPUT:**

**Files:** Employer, Coverage, Billing, Tables Data Bases

**Screens:** Coverage Application Screen

**Note:** Transaction, Individual, Coverage Root and current Coverage Period segments are received via COMMAAREA

**OUTPUT:**

**File:** Audited Coverage Transaction File record  
Individual, Coverage, Billing Data Bases  
(approved transactions only)

**Screens:** Coverage Application Screen

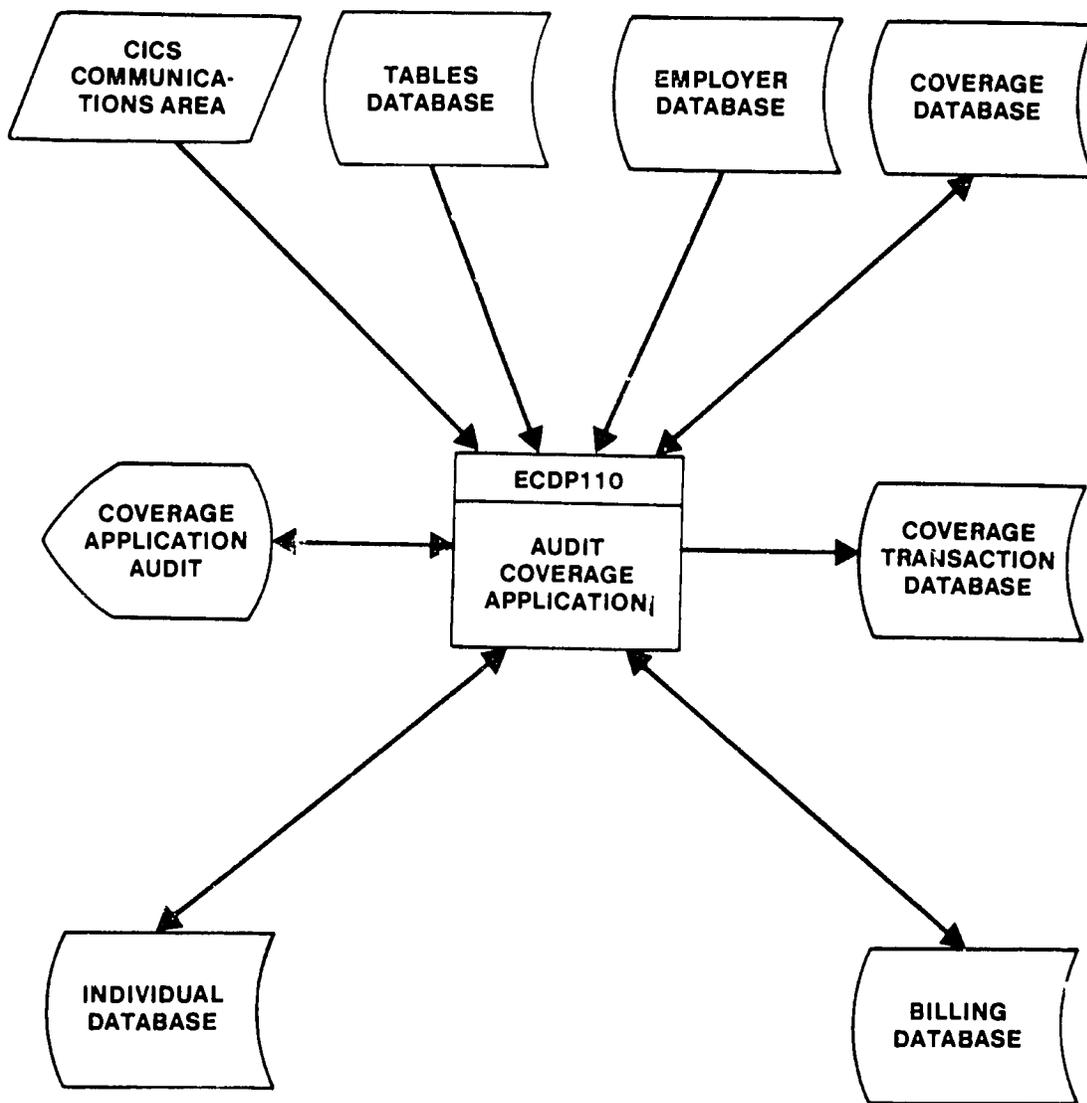
**INTERFACE:**

**Invoked by:** ECDP100 Auditor Processing Driver

**Transfers to:** ECDP100 Auditor Processing Driver

**Standard Modules:**

# PROGRAM I/O DIAGRAM AUDIT COVERAGE APPLICATION



#### 4.1 PROCESS CONTROL

```
EXEC CICS RECEIVE
  MAP (COM-PANEL)
  MAPSET (COM-PANEL-SET)
END-EXEC

IF COM-PROGRAM-STATE EQUAL TO ZERO
  PERFORM 0100-INITIATE-AUDIT
ENDIF

IF COM-PROGRAM-STATE EQUAL TO 1
  IF PF KEY INDICATES APPROVAL
    PERFORM 4000-APPROVED-TRANS
  ELSE
    IF PF KEY INDICATES REJECTION
      PERFORM 5000-REJECTED-TRANS
    ELSE
      IF PF KEY INDICATES HOLD
        PERFORM 6000-HOLD-TRANS
      ELSE
        IF PF KEY INDICATES INVESTIGATE
          PERFORM 7000-INVEST-TRANS
        ELSE
          IF PF KEY INDICATES CANCEL
            PERFORM 8000-CANCEL-AUDIT
          ELSE
            IF PF KEY INDICATES MODIFY
              SET COM-PROGRAM-STATE TO 2
              PERFORM 1000-EDIT-INPUT
              PERFORM 1100-COMPUTE-VARIABLES
```

```

        PERFORM 1200-CHECK-ELIGIBILITY
        SET COM-PROGRAM-STATE TO 1
        PERFORM 3000-RESEND-SCREEN
    ELSE
        MOVE 'INVALID KEY SELECTION' TO MSG-LINE2
        PERFORM 3000-RESEND SCREEN
    ENDIF
ENDIF
IF COM-PROGRAM-STATE EQUAL TO 2
    IF PF KEY INDICATES CANCEL
        PERFORM 8000-CANCEL-AUDIT
    ELSE
        PERFORM 1000-EDIT-INPUT
        PERFORM 1100-COMPUTE-VARIABLES
        PERFORM 1200-CHECK-ELIGIBILITY
        SET COM-PROGRAM-STATE TO 1
        PERFORM 3000-RESEND-SCREEN
    ENDIF
ENDIF
0100-INITIATE-AUDIT SECTION
MOVE TRANSACTION RECORD DATA FIELDS TO MAP
IF TRANS-STATUS EQUAL HOLD OR INVESTIGATION
    GET INDIVIDUAL RECORD
    IF SOFT LOCK NOT SET ON
        SET SOFT LOCK ON
        REWRITE INDIVIDUAL RECORD
        PERFORM 1000-EDIT-INPUT

```

```

        PERFORM 1100-COMPUTE-VARIABLES
        PERFORM 1200-CHECK-ELIGIBILITY
ELSE
        MOVE 'INDIVIDUAL RECORD LOCKED BY ANOTHER TRANSACTION'
            TO MSG-LINE2
        SET COM-DESTINATION-PROGRAM TO AUDIT DRIVER
        PERFORM 3000-RESEND-SCREEN
ENDIF

SET COM-PROGRAM-STATE TO 1
PERFORM 3000-RESEND-SCREEN

1000-EDIT-INPUT SECTION

IF OCCUPATION-CODE LENGTH GREATER THAN ZERO
    PERFORM 4000-OCCUP-CODE-CHECK
    IF OCCUPATION-CODE VALID
        MOVE OCCUPATION-CODE TO COM-CT-OCCUPATION-CODE
    ELSE
        MOVE CURSOR TO OCCUPATION-CODE LENGTH
        SET OCCUPATION-CODE ATTRIBUTE BYTE
        PERFORM 3000-FSET
    ENDIF
ENDIF

IF APPLICATION-DATE LENGTH GREATER THAN ZERO
    IF APPLICATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE APPLICATION-DATE TO COM-CT-APPLICATION-DATE
    ELSE
        MOVE CURSOR TO APPLICATION-DATE LENGTH
        SET APPLICATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF

```

```

IF OCCUPATION-DATE LENGTH GREATER THAN ZERO
    IF OCCUPATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE OCCUPATION-DATE TO COM-CT-OCCUPATION-DATE
    ELSE
        MOVE CURSOR TO OCCUPATION-DATE LENGTH
        SET OCCUPATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
ENDIF

IF MONTHLY-SALARY LENGTH GREATER THAN ZERO
    IF MONTHLY-SALARY NUMERIC AND GREATER THAN ZERO
        MOVE MONTHLY-SALARY TO COM-CT-MONTHLY-SALARY
    ELSE
        MOVE CURSOR TO MONTHLY-SALARY LENGTH
        SET MONTHLY-SALARY ATTRIBUTE
        PERFORM 3000-FSET
ENDIF

IF INCENTIVE LENGTH GREATER THAN ZERO
    IF INCENTIVE NUMERIC AND NOT LESS THAN ZERO
        MOVE INCENTIVE TO COM-CT-INCENTIVE
    ELSE
        MOVE CURSOR TO INCENTIVE LENGTH
        SET INCENTIVE ATTRIBUTE
        PERFORM 3000-FSET
ENDIF

IF CONTRIBUTION-CODE LENGTH GREATER THAN ZERO
    PERFORM 4000-CONTRIB-CHECK
    IF CONTRIBUTION-CODE VALID
        MOVE CONTRIBUTION-CODE TO COM-CT-CONTRIBUTION-CODE

```

```

ELSE
    MOVE CURSOR TO CONTRIBUTION-CODE LENGTH
    SET CONTRIBUTION-CODE ATTRIBUTE BYTE
    PERFORM 3000-FSET
ENDIF
IF EMPLOYEE-RELATION-LENGTH GREATER THAN ZERO
    IF EMPLOYEE-RELATION EQUAL TO 'Y' OR 'N'
        MOVE EMPLOYEE-RELATION TO COM-CT-EMPLOYEE-RELATION
    ELSE
        MOVE CURSOR TO EMPLOYEE-RELATION LENGTH
        SET EMPLOYEE-RELATION ATTRIBUTE BYTE
        PERFORM 3000-FSET
    ENDIF
IF EMPLOYER-BIN LENGTH GREATER THAN ZERO
    GET EMPLOYER SEGMENT
    IF RETURN CODE INDICATES 'SEGMENT NOT FOUND'
        MOVE CURSOR TO EMPLOYER-BIN LENGTH
        SET EMPLOYER-BIN ATTRIBUTE BYTE
        MOVE 'EMPLOYER BIN INVALID' TO MSG-LINE2
        PERFORM 3000-FSET
    ELSE
        MOVE EMPLOYER-NAME TO COV-CT-EMPLOYER-NAME, MAP
        MOVE EMPLOYER-SECTOR TO COV-CT-EMPLCYER-SECTOR,
            MAP
    ENDIF
1100-COMPUTE-VARIABLES SECTION
    SUBTRACT DATE-OF-BIRTH FROM APPLICATION-DATE GIVING

```

```

        APPLICANT-AGE
    IF COMMAREA COVERAGE SEGMENTS NOT EQUAL TO SPACES
        CALCULATE LENGTH-OF-CURRENT-PERIOD
        ADD LENGTH-OF-CURRENT-PERIOD, CUMULATIVE-MONTHS GIVING
            COVERED-PERIODS
    ELSE
        SET COVERED-PERIODS TO ZERO
    ENDIF
    MOVE COVERED-PERIODS TO COM-CT-COVERED-PERIODS
    ADD 60, DATE-OF-BIRTH GIVING RETIREMENT-DATE
1200-CHECK-ELIGIBILITY SECTION
    IF EMPLOYER-SECTOR NOT PRIVATE
        MOVE CURSOR TO EMPLOYER-BIN LENGTH
        SET EMPLOYER-BIN ATTRIBUTE
        MOVE 'EMPLOYER SECTOR NOT PRIVATE' TO MSG-LINE2
        PERFORM 3000-FSET
    ENDIF
    DETERMINE COVERAGE FROM COVERAGE SCHEDULE
3000-RESEND-SCREEN SECTION
    EXEC CICS SEND
        MAPSET (COM-PANEL-SET)
        MAP (COM-PANEL)
        FREEKB
        CURSOR
        END-EXEC
        PERFORM 9000-BASIC RETURN
4000-OCCUP-CODE-CHECK SECTION
    MOVE OCCUPATION-CODE-PREFIX TO TABLE-KEY-PREFIX

```

MOVE OCCUPATION-CODE TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

MOVE TABLE-DESCRIPTION TO OCCUPATION-DESCRIPTION

OUTPUT FIELD

ELSE

FAIL EDIT

ENDIF

4000-CONTRIB-CHECK SECTION

MOVE CONTRIBUTION-CODE-PREFIX TO TABLE-KEY-PREFIX

MOVE CONTRIBUTION-CODE TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

PASS EDIT

ELSE

FAIL EDIT

ENDIF

4000-APPROVED-TRANS SECTION

PERFORM 4200-WRITE-APPROVED TRANS

PERFORM 4300-UPDATE-COVERAGE-DB

4200-WRITE-APPROVED-TRANS SECTION

SET TRANSACTION STATUS-CODE TO APPROVED

MOVE DATE TO TRANSACTION

MOVE AUDITOR SIN TO TRANSACTION

MOVE SCREEN CONTENTS TO TRANSACTION DATA AREA

SUBTRACT 1 FROM COM-HOLD-TRANS-REC-NUM GIVING TRANSACTION

RECORD NUMBER

```

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE
4300-UPDATE-COVERAGE-DB SECTION
    PERFORM 4310-UPDATE-COV-DB
    PERFORM 4400-UPDATE-INDIVIDUAL
    PERFORM 4500-UPDATE-BILLING
4310-UPDATE-COV-DB
    GET COVERAGE SEGMENT, KEY IS SIN
    IF RETURN CODE IS 'SEGMENT FOUND'
        MOVE 'APPLICATION - COVERAGE ALREADY EXISTS' TO
            MAP-MSG-LINE2
        SET COM-DISTINATION-PGM TO AUDIT DRIVER
        PERFORM 3000-RESEND-SCREEN
    ELSE
        PERFORM 4310-BUILD-COVERAGE-SEGMENT
        PERFORM 4320-ADD-COVERAGE-SEGMENT
        IF RETURN CODE IS ERROR CONDITION
            MOVE 'ERROR ADDING COVERAGE SEGMENT' TO
                MAP-MSG-LINE2
            SET COM-DESTINATION-PGM TO AUDIT DRIVER
            PERFORM 3000-RESEND-SCREEN
        ENDIF
    ENDIF
4310-BUILD-COVERAGE-SEGMENT SECTION
    MOVE COVERAGE-START-DATE TO COVERAGE-ROOT
    MOVE ZERO TO CUMULATIVE-MONTHS OF COVERAGE-ROOT
    MOVE CURRENT-DATE TO DATE-LAST-ACTIVITY OF
        COVERAGE-ROOT

```

MOVE MONTHLY-SALARY TO SALARY OF SALARY-SEGMENT  
MOVE OCCUPATION-DATE TO START-DATE OF SALARY-SEGMENT  
MOVE ZERO TO END-DATE OF SALARY-SEGMENT  
MOVE MONTHLY-INCENTIVE TO AVERAGE-MONTHLY-INCENTIVE-AMT  
OF INCENTIVE-SEGMENT  
MOVE OCCUPATION-DATE TO INCENTIVE-START-DATE OF  
INCENTIVE-SEGMENT, COVERAGE-PERIOD-SEGMENT  
MOVE EMPLOYER-BIN TO COVERAGE-PERIOD-SEGMENT  
MOVE 01 TO PERIOD-STATUS-CODE OF COVERAGE-PERIOD-  
SEGMENT  
MOVE LAW-SECTOR-CODE TO COVERAGE-ROOT, COVERAGE-PERIOD-  
SEGMENT

4320-ADD-COVERAGE-SEGMENT SECTION

CALL 'CBLTDLI' . . . . .

TO ADD APPROPRIATE COVERAGE SEGMENTS

4400-UPDATE-INDIVIDUAL SECTION

GET INDIVIDUAL RECORD, KEY IS SIN

IF RETURN CODE IS 'NOT FOUND'

MOVE 'INDIVIDUAL SEGMENT NOT FOUND' TO

MAP-MSG-LINE2

SET COM-DESTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ELSE

UPDATE DATE-LAST-ACTION AND ACTION-TYPE-CODE

```

SET COVERAGE-FLAG AS APPROPRIATE
SET APPLICABLE-LAW-FLAG AS APPROPRIATE
CALL 'CBLTDLI'.....

    TO REWRITE INDIVIDUAL RECORD
IF RETURN CODE INDICATES ERROR CONDITION
    MOVE 'ERROR REWRITING INDIVIDUAL SEGMENT' TO
        TO MAP-MSG-LINE2
    SET COM-DESTINATION-PGM TO AUDIT-DRIVER
    PERFORM 3000-RESEND-SCREEN
ENDIF

ENDIF

4400-UPDATE-EMPLOYER-BILLING SECTION

GET BILLING ROOT SEGMENT, KEY IS BIN/SIN
IF RETURN CODE IS 'SEGMENT NOT FOUND'
    MOVE 'EMPLOYER BILLING SEGMENT NOT FOUND' TO
        TO MAP-MSG-LINE2
    PERFORM 3000-RESEND-SCREEN
ENDIF

PERFORM 4410-CALCULATE-CONTRIB
INCREMENT NUMBER OF EMPLOYEES
INCREMENT CONTRIBUTION FIELDS
INCREMENT TOTAL DEDUCTIONS
INCREMENT TOTAL PAYROLL
PERFORM 4420-REWRITE-BILL-ROOT
IF RETURN CODE IS ERROR CONDITION
    MOVE 'ERROR REWRITING BILLING ROOT' TO
        MAP-MSG-LINE2
ELSE

```

PERFORM 4430-ADD-XREF-SEGMENT

IF RETURN CODE IS ERROR CONDITION

MOVE 'ERROR ADDING BILLING XREF SEG'

TO MAP-MSG-LINE2

SET COM-DESTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ENDIF

ENDIF

4410-CALCULATE-CONTRIB SECTION

CALCULATE CONTRIBUTION ACCORDING TO APPROPRIATE LAW 79

CONTRIBUTION SCHEDULE

4420-REWRITE-BILL-ROOT SECTION

CALL 'CBLTDLI' .....

TO REWRITE BILLING ROOT SEGMENT

4430-ADD-XREF-SEGMENT SECTION

CALL 'CBLTDLI' .....

TO ADD CROSS-REFERENCE SEGMENT

5000-REJECTED-TRANS SECTION

SET TRANS-STATUS-CODE TO REJECT

MOVE DATE TO TRANSACTION

SUBTRACT 1 FROM COM-HOLD-REC-NUM

MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER

MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA

SET COM-DESTINATION-PGM TO AUDIT DRIVER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

MOVE 'TRANSACTION REJECTED' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

6000-HOLD-TRANS SECTION

SET TRANS-STATUS-CODE TO HOLD  
MOVE DATE TO TRANSACTION  
SUBTRACT 1 FROM COM-HOLD-REC-NUM  
MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER  
MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA  
SET COM-DESTINATION-PGM TO AUDIT DRIVER  
WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE  
MOVE 'TRANSACTION PLACED ON HOLD' TO MSG-LINE2  
PERFORM 3000-RESEND-SCREEN

7000-INVEST-TRANS SECTION

SET TRANS-STATUS-CODE TO INVESTIGATION  
MOVE DATE TO TRANSACTION  
SUBTRACT 1 FROM COM-HOLD-REC-NUM  
MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER  
MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA  
SET COM-DESTINATION-PGM TO AUDIT DRIVER  
WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE  
MOVE 'TRANSACTION PLACED IN INVESTIGATION' TO MSG-LINE2  
PERFORM 3000-RESEND-SCREEN

8000-CANCEL-AUDIT SECTION

SET COM-DESTINATION-PGM TO AUDIT DRIVER  
MOVE 'AUDIT CANCELLED' TO MSG-LINE2  
PERFORM 3000-RESEND-SCREEN

9000-BASIC-RETURN SECTION

EXEC CICS RETURN  
    TRANSID (COM-TRAN-ID)  
    COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)  
END-EXEC

## PROGRAM DESCRIPTION FORM

System: Coverag\_ Date f.c.: 29 July 1984  
Subsystem: Law 79, Private Sector Date l.u.: 29 July 1984  
Function: Aiditor Processing Phase: 2  
Program: ECDP120, Audit Coverage Change  
CICS Trans ID: D120  
Author: SAK/MJO

### Description:

The Audit Coverage Change program will display a selected change transaction to the auditor. The auditor may then approve the transaction, reject it, place it in hold status, or assign the transaction for investigation or modify the transaction. The Coverage Edit/Eligibility Check sections will ensure that all variables entered on the Coverage Change Screen are valid. For coded variables the code description will be retrieved from the appropriate table and displayed on the output screen. The applicant is then checked for eligibility according to the rules defined in the Schedule of Coverage for Law 79.

During the edit/eligibility checking process, error correction will be facilitated by means of highlighted fields and accompanying error messages. Once the auditor enters the modify transaction mode, program status checks will maintain the program within the edit/eligibility process until the auditor either indicates a disposition action (i.e., acceptance, rejection, hold, investigation) for an error-free transaction or cancels the current operation.

The Coverage Contribution Calculation Section will calculate the contribution required for each type of insurance the applicant is eligible for according to the Schedule of Contributions.

Upon completion of audit processing, the audited transaction is written to the Coverage Transaction Data Base. Additionally, approved transactions are passed to the database update section where appropriate modifications and additions are made to the Individual, Coverage and Billing databases.

### INPUT:

Files: Employer, Coverage, Billing, Tables Data Bases

Note: Transaction, Individual, Coverage Root and Coverage  
Period segments are passed to this module via the  
COMMAREA

Screens: Coverage Change

OUTPUT:

Files: Transaction File Record  
Individual, Coverage, Billing Data Bases  
(approved transactions only)

Screens: Coverage Change

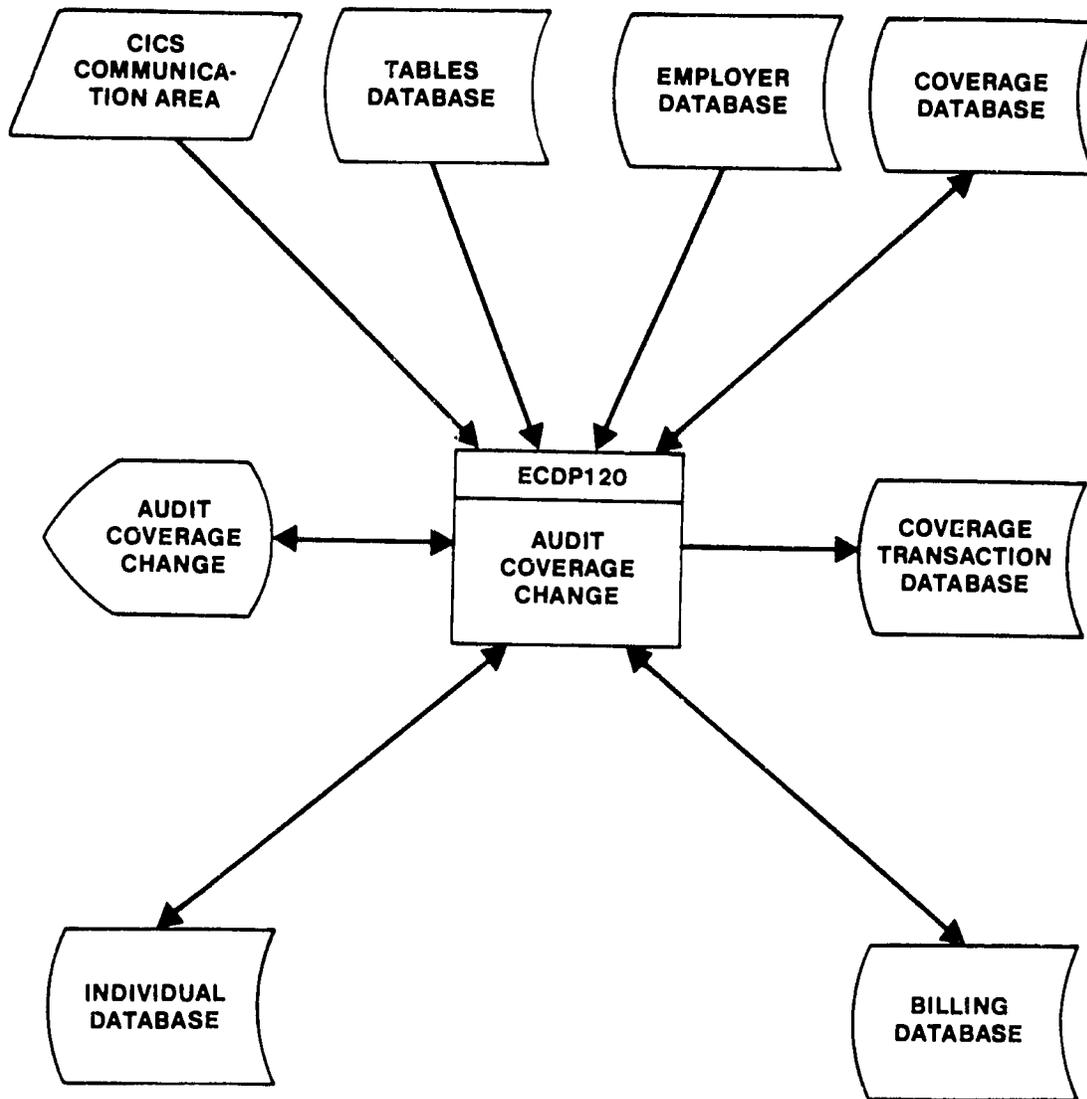
INTERFACE:

Invoked by: ECDP100 Auditor Processing Driver

Transfers to: ECDP100 Auditor Processing Driver

Standard Modules:

# PROGRAM I/O DIAGRAM AUDIT COVERAGE CHANGE



#### 4.1 PROCESS CONTROL

```
EXEC CICS RECEIVE
    MAP (COM-PANEL)
    MAPSET (COM-PANEL-SET)
END-EXEC

IF COM-PROGRAM-STATE EQUAL TO ZERO
    PERFORM 0100-INITIATE-AUDIT
ENDIF

IF COM-PROGRAM-STATE EQUAL TO 1
    IF PF KEY INDICATES APPROVAL
        PERFORM 4000-APPROVED-TRANS
    ELSE
        IF PF KEY INDICATES REJECTION
            PERFORM 5000-REJECTED-TRANS
        ELSE
            IF PF KEY INDICATES HOLD
                PERFORM 6000-HOLD-TRANS
            ELSE
                IF PF KEY INDICATES INVESTIGATE
                    PERFORM 7000-INVEST-TRANS
                ELSE
                    IF PF KEY INDICATES CANCEL
                        PERFORM 8000-CANCEL-AUDIT
                    ELSE
                        IF PF KEY INDICATES MODIFY
                            SET COM-PROGRAM-STATE TO 2
                            SET EDITSW TO ZERO
                            PERFORM 1000-EDIT-INPUT
```

```

        PERFORM 1100-COMPUTE-VARIABLES
        PERFORM 1200-CHECK-ELIGIBILITY
        PERFORM 3000-RESEND-SCREEN
    ELSE
        MOVE 'INVALID KEY SELECTION' TO MSG-LINE2
        PERFORM 3000-RESEND SCREEN
    ENDIF
ENDIF
IF COM-PROGRAM-STATE EQUAL TO 2
    IF PF KEY INDICATES CANCEL
        PERFORM 8000-CANCEL-AUDIT
    ELSE
        PERFORM 1000-EDIT-INPUT
        PERFORM 1100-COMPUTE-VARIABLES
        PERFORM 1200-CHECK-ELIGIBILITY
        MOVE 1 TO COM-PROGRAM-STATE
        PERFORM 3000-RESEND-SCREEN
    ENDIF
ENDIF
0100-INITIATE-AUDIT SECTION
MOVE TRANSACTION RECORD DATA FIELDS TO MAP
IF TRANS-STATUS EQUAL HOLD OR INVESTIGATION
    GET INDIVIDUAL RECORD
    IF SOFT LOCK NOT SET ON
        SET SOFT LOCK ON
        REWRITE INDIVIDUAL RECORD
        PERFORM 1000-EDIT-INPUT

```

```

        PERFORM 1100-COMPUTE-VARIABLES
        PERFORM 1200-CHECK-ELIGIBILITY
    ELSE
        MOVE 'INDIVIDUAL RECORD LOCKED BY ANOTHER TRANSACTION'
            TO MSG-LINE2
        SET COM-DESTINATION-PROGRAM TO AUDIT DRIVER
        PERFORM 3000-RESEND-SCREEN
    ENDIF

    SET COM-PROGRAM-STATE TO 1
    PERFORM 3000-RESEND-SCREEN

1000-EDIT-INPUT SECTION

    IF OCCUPATION-CODE LENGTH GREATER THAN ZERO
        PERFORM 4000-OCCUP-CODE-CHECK
        IF OCCUPATION-CODE VALID
            MOVE OCCUPATION-CODE TO COM-CT-OCCUPATION-CODE
        ELSE
            MOVE CURSOR TO OCCUPATION-CODE LENGTH
            SET OCCUPATION-CODE ATTRIBUTE BYTE
            PERFORM 3000-FSET
        ENDIF
    ENDIF

    IF APPLICATION-DATE LENGTH GREATER THAN ZERO
        IF APPLICATION-DATE NOT GREATER THAN CURRENT-DATE
            MOVE APPLICATION-DATE TO COM-CT-APPLICATION-DATE
        ELSE
            MOVE CURSOR TO APPLICATION-DATE LENGTH
            SET APPLICATION-DATE ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ENDIF

```

```

IF OCCUPATION-DATE LENGTH GREATER THAN ZERO
    IF OCCUPATION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE OCCUPATION-DATE TO COM-CT-OCCUPATION-DATE
    ELSE
        MOVE CURSOR TO OCCUPATION-DATE LENGTH
        SET OCCUPATION-DATE ATTRIBUTE
        PERFORM 3000-FSET
ENDIF
IF MONTHLY-SALARY LENGTH GREATER THAN ZERO
    IF MONTHLY-SALARY NUMERIC AND GREATER THAN ZERO
        MOVE MONTHLY-SALARY TO COM-CT-MONTHLY-SALARY
    ELSE
        MOVE CURSOR TO MONTHLY-SALARY LENGTH
        SET MONTHLY-SALARY ATTRIBUTE
        PERFORM 3000-FSET
ENDIF
IF INCENTIVE LENGTH GREATER THAN ZERO
    IF INCENTIVE NUMERIC AND NOT LESS THAN ZERO
        MOVE INCENTIVE TO COM-CT-INCENTIVE
    ELSE
        MOVE CURSOR TO INCENTIVE LENGTH
        SET INCENTIVE ATTRIBUTE
        PERFORM 3000-FSET
ENDIF
IF CONTRIBUTION-CODE LENGTH GREATER THAN ZERO
    PERFORM 4000-CONTRIB-CHECK
    IF CONTRIBUTION-CODE VALID
        MOVE CONTRIBUTION-CODE TO COM-CT-CONTRIBUTION-CODE

```

```

ELSE
    MOVE CURSOR TO CONTRIBUTION-CODE LENGTH
    SET CONTRIBUTION-CODE ATTRIBUTE BYTE
    PERFORM 3000-FSET
ENDIF
IF RETIREMENT-AGE LENGTH GREATER THAN ZERO
    IF RETIREMENT-AGE NUMERIC AND GREATER THAN 59
        MOVE RETIREMENT-AGE TO COM-CT-RETIREMENT-AGE
    ELSE
        MOVE CURSOR TO RETIREMENT-AGE LENGTH
        SET RETIREMENT-AGE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF
IF WORK-EXTENSION-DECREE-NUMBER LENGTH GREATER THAN ZERO
    IF WORK-EXTENSION-DECREE-NUMBER NUMERIC
        MOVE WORK-EXTENSION-DECREE-NUMBER TO COM-CT-
            WORK-EXTENSION-DECREE-NUMBER
    ELSE
        MOVE CURSOR TO WORK-EXTENSION-DECREE-NUMBER LENGTH
        SET WORK-EXTENSION-DECREE-NUMBER ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF
ENDIF
IF WORK-EXTENSION-DATE LENGTH GREATER THAN ZERO
    IF WORK-EXTENSION-DATE NOT GREATER THAN CURRENT-DATE
        MOVE WORK-EXTENSION-DATE TO COM-CT-WORK-EXTENSION-
            DATE
    ELSE

```

```

        MOVE CURSOR TO WORK-EXTENSION-DATE LENGTH
        SET WORK-EXTENSION-DATE ATTRIBUTE
        PERFORM 3000-FSET
    ENDIF

    IF PERIOD-OF-EXTENSION LENGTH GREATER THAN ZERO
        IF PERIOD-OF-EXTENSION NUMERIC
            MOVE PERIOD-OF-EXTENSION TO COM-CT-PERIOD-OF-
                EXTENSION
        ELSE
            MOVE CURSOR TO PERIOD-OF-EXTENSION LENGTH
            SET PERIOD-OF-EXTENSION ATTRIBUTE
            PERFORM 3000-FSET
        ENDIF
    ENDIF

    IF EMPLOYEE-RELATION LENGTH GREATER THAN ZERO
        IF EMPLOYEE-RELATION EQUAL TO 'Y' OR 'N'
            MOVE EMPLOYEE-RELATION TO COM-CT-EMPLOYEE-RELATION
        ELSE
            MOVE CURSOR TO EMPLOYEE-RELATION LENGTH
            SET EMPLOYEE-RELATION ATTRIBUTE BYTE
            PERFORM 3000-FSET
        ENDIF
    ENDIF

1100-COMPUTE-VARIABLES SECTION
    SUBTRACT DATE-OF-BIRTH FROM APPLICATION-DATE GIVING
        APPLICANT-AGE
    CALCULATE CURRENT-PERIOD-COVERAGE
    ADD CURRENT-PERIOD-COVERAGE, CUMULATIVE-MONTHS GIVING
        COVERED-PERIODS

```

```

MOVE COVERED-PERIODS TO COM-CT-COVERED-PERIODS
ADD RETIREMENT-AGE, DATE-OF-BIRTH GIVING RETIREMENT-DATE
1200-CHECK-ELIGIBILITY SECTION
MOVE EMPLOYER-NAME TO COM-CT-EMPLOYER-NAME
IF EMPLOYER-SECTOR NOT PRIVATE
    MOVE CURSOR TO EMPLOYER-BIN LENGTH
    SET EMPLOYER-BIN ATTRIBUTE
    MOVE 'EMPLOYER SECTOR NOT PRIVATE' TO MSG-LINE2
    PERFORM 3000-FSET
ENDIF
DETERMINE ELIGIBILITY ACCORDING TO COVERAGE SCHEDULE
3000-RESEND-SCREEN SECTION
EXEC CICS SEND
    MAPSET (COM-PANEL-SET)
    MAP (COM-PANEL)
    FREEKB
    CURSOR
    END-EXEC
    PERFORM 9000-BASIC RETURN
4000-OCCUP-CODE-CHECK SECTION
MOVE OCCUPATION-CODE-PREFIX TO TABLE-KEY-PREFIX
MOVE OCCUPATION-CODE TO TABLE-KEY-VALUE
GET TABLES DATABASE RECORD
    IF FOUND
        MOVE TABLE-DESCRIPTION TO OCCUPATION-DESCRIPTION
        OUTPUT FIELD
    ELSE

```

FAIL EDIT

ENDIF

4000-CONTRIB-CHECK SECTION

MOVE CONTRIBUTION-CODE-PREFIX TO TABLE-KEY-PREFIX

MOVE CONTRIBUTION-CODE TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

PASS EDIT

ELSE

FAIL EDIT

ENDIF

4000-APPROVED-TRANS SECTION

PERFORM 4200-WRITE-APPROVED TRANS

PERFORM 4300-UPDATE-COVERAGE-DB

4200-WRITE-APPROVED-TRANS SECTION

SET TRANSACTION STATUS-CODE TO APPROVED

MOVE DATE TO TRANSACTION

MOVE AUDITOR SIN TO TRANSACTION

MOVE SCREEN CONTENTS TO TRANSACTION DATA AREA

SUBTRACT 1 FROM COM-HOLD-TRANS-REC-NUM GIVING TRANSACTION

RECORD NUMBER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

4300-UPDATE-COVERAGE-DB SECTION

PERFORM 4310-UPDATE-COV-DB

PERFORM 4400-UPDATE-INDIVIDUAL

PERFORM 4500-UPDATE-BILLING

4310-UPDATE-COV-DB

```

GET COVERAGE ROOT SEGMENT, KEY IS SIN
IF RETURN CODE IS 'SEGMENT NOT FOUND'
    MOVE 'NO COVERAGE SEGMENT EXISTS' TO
        MAP-MSG-LINE2
    SET COM-DISTINATION-PGM TO AUDIT DRIVER
    PERFORM 3000-RESEND-SCREEN
ELSE
    PERFORM 4310-BUILD-COVERAGE-SEGMENT
        IF RETURN CODE IS ERROR CONDITION
            MOVE 'ERROR ADDING COVERAGE SEGMENT' TO
                MAP-MSG-LINE2
            SET COM-DESTINATION-PGM TO AUDIT DRIVER
            PERFORM 3000-RESEND-SCREEN
        ENDIF
    ENDIF
4310-BUILD-COVERAGE-SEGMENT SECTION
GET COVERAGE PERIOD SEGMENT
IF TRANSACTION EMPLOYER-BIN EQUAL SEGMENT EMPLOYER-BIN
    NEXT SENTENCE
ELSE
    IF SEGMENT NOT TERMINATED
        MOVE 'OLD EMPLOYER MUST BE TERMINATED' TO
            MSG--LINE2
        SET DOM-DESTINATION-PGM TO AUDIT DRIVER
        PERFORM 3000-RESEND-SCREEN
    ENDIF
ENDIF

```

```

MOVE TRANSACTION FIELDS TO COVERAGE ROOT
GET SALARY SEGMENT
IF TRANSACTION EMPLOYER-BIN EQUAL TO SEGMENT EMPLOYER-
    BIN
    IF TRANSACTION SALARY NOT EQUAL TO SEGMENT SALARY
        CALCULATE SALARY VARIANCE
        SET SALARY SWITCH TO VARIANCE
    ELSE
        SET SALARY SWITCH TO NO CHANGE
    ENDIF
ELSE
    SET INCENTIVE SWITCH ON
    SET SALARY SWITCH TO NEW EMPLOYER
ENDIF
MOVE CURRENT-DATE TO DATE-LAST-ACTIVITY OF
    COVERAGE-ROOT
MOVE MONTHLY-SALARY TO SALARY OF SALARY-SEGMENT
MOVE OCCUPATION-DATE TO START-DATE OF SALARY-SEGMENT
MOVE ZERO TO END-DATE OF SALARY-SEGMENT
MOVE MONTHLY-INCENTIVE TO AVERAGE-MONTHLY-INCENTIVE-AMT
    OF INCENTIVE-SEGMENT
MOVE COVERAGE-START-DATE TO INCENTIVE-START-DATE OF
    OF INCENTIVE-SEGMENT
CALL 'CBLTDLI' ....
    TO REWRITE COVERAGE ROOT
CALL 'CBLTDLI' ...
    TO ADD COVERAGE PERIOD SEGMENT
IF SALARY SWITCH ON

```

```

        CALL 'CBLTDLI' .....
            TO ADD SALARY SEGMENT
    ENDIF
    IF INCENTIVE SWITCH ON
        CALL 'CBLTDLI' .....
            TO ADD INCENTIVE SEGMENT
    ENDIF

```

4400-UPDATE-INDIVIDUAL SECTION

```

    GET INDIVIDUAL RECORD, KEY IS S^N
    IF RETURN CODE IS 'NOT FOUND'
        MOVE 'INDIVIDUAL SEGMENT NOT FOUND' TO
            MAP-MSG-LINE2
        SET COM-DESTINATION-PGM TO AUDIT DRIVER
        PERFORM 3000-RESEND-SCREEN
    ELSE
        UPDATE DATE-LAST-ACTION AND ACTION-TYPE-CODE
        SET COVERAGE-FLAG AS APPROPRIATE
        SET APPLICABLE-LAW-FLAG AS APPROPRIATE
        CALL 'CBLTDLI'.....
            TO REWRITE INDIVIDUAL RECORD
        IF RETURN CODE INDICATES ERROR CONDITION
            MOVE 'ERROR REWRITING INDIVIDUAL SEGMENT' TO
                TO MAP-MSG-LINE2
            SET COM-DESTINATION-PGM TO AUDIT-DRIVER
            PERFORM 3000-RESEND-SCREEN
        ENDIF
    ENDIF

```

4400-UPDATE-EMPLOYER-BILLING SECTION

GET BILLING ROOT SEGMENT, KEY IS BIN/SIN

IF RETURN CODE IS 'SEGMENT NOT FOUND'

MOVE 'EMPLOYER BILLING SEGMENT NOT FOUND' TO

TO MAP-MSG-LINE2

PERFORM 3000-RESEND-SCREEN

ENDIF

PERFORM 4410-CALCULATE-CONTRIB

INCREMENT NUMBER OF EMPLOYEES

INCREMENT CONTRIBUTION FIELDS

INCREMENT TOTAL DEDUCTIONS

INCREMENT TOTAL PAYROLL

PERFORM 4420-REWRITE-BILL-ROOT

IF RETURN CODE IS ERROR CONDITION

MOVE 'ERROR REWRITING BILLING ROOT' TO

MAP-MSG-LINE2

SET COM-DESTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ELSE

PERFORM 4430-ADD-XREF-SEGMENT

IF RETURN CODE IS ERROR CONDITION

MOVE 'ERROR ADDING BILLING XREF SEG'

TO MAP-MSG-LINE2

SET COM-DESTINATION-PGM TO AUDIT DRIVER

PERFORM 3000-RESEND-SCREEN

ENDIF

ENDIF

4410-CALCULATE-CONTRIB SECTION

NOTE: IF SALARY SWITCH IS SET TO VARIANCE VALUE,  
CALCULATE CONTRIBUTION BASED ON DIFFERENCE  
BETWEEN OLD AND NEW SALARY; OTHERWISE,  
CALCULATE ON NEW SALARY AMOUNT

CALCULATE CONTRIBUTIONS AS SHOWN IN LAW 79 CONTRIBUTION  
SCHEDULE

4420-REWRITE-BILL-ROOT SECTION

CALL 'CBLTDLI' .....

TO REWRITE BILLING ROOT SEGMENT

4430-ADD-XREF-SEGMENT SECTION

CALL 'CBLTDLI' .....

TO ADD CROSS-REFERENCE SEGMENT

5000-REJECTED-TRANS SECTION

SET TRANS-STATUS-CODE TO REJECT

MOVE DATE TO TRANSACTION

SUBTRACT 1 FROM COM-HOLD-REC-NUM

MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER

MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA

SET COM-DESTINATION-PGM TO AUDIT DRIVER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

MOVE 'TRANSACTION REJECTED' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

6000-HOLD-TRANS SECTION

SET TRANS-STATUS-CODE TO HOLD

MOVE DATE TO TRANSACTION

SUBTRACT 1 FROM COM-HOLD-REC-NUM

MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER

MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA  
SET COM-DESTINATION-PGM TO AUDIT DRIVER  
WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE  
MOVE 'TRANSACTION PLACED ON HOLD' TO MSG-LINE2  
PERFORM 3000-RESEND-SCREEN

7000-INVEST-TRANS SECTION

SET TRANS-STATUS-CODE TO INVESTIGATION  
MOVE DATE TO TRANSACTION  
SUBTRACT 1 FROM COM-HOLD-REC-NUM  
MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER  
MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA  
SET COM-DESTINATION-PGM TO AUDIT DRIVER  
WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE  
MOVE 'TRANSACTION PLACED IN INVESTIGATION' TO MSG-LINE2  
PERFORM 3000-RESEND-SCREEN

8000-CANCEL-AUDIT SECTION

SET COM-DESTINATION-PGM TO AUDIT DRIVER  
MOVE 'AUDIT CANCELLED' TO MSG-LINE2  
PERFORM 3000-RESEND-SCREEN

9000-BASIC-RETURN SECTION

EXEC CICS RETURN  
    TRANSID (COM-TRAN-ID)  
    COMMAREA (DFHCOMMAREA-W)  
    LENGTH (COM-LENGTH)  
END-EXEC

PROGRAM DESCRIPTION FORM

System: Coverage Date f.c.: 29 July 1984  
Subsystem: Law 79, Private Sector Date l.u.: 29 July 1984  
Function: Auditor Processing Phase: 2  
Program: ECDP130, Audit Coverage Termination  
CICS Trans ID: D130  
Author: SAK/MJO

Description:

The Audit Coverage Termination Program displays the termination transaction previously prepared in data entry. The auditor may then approve the transaction, reject it, place it in hold status, or assign it to investigation. The Coverage Termination Transaction is used to terminate the current contribution period and record the termination in the Coverage Data Base. Additionally, the program will reflect the termination in the Billing Data Base by calculating the amount of the terminated contribution and decrementing the appropriate amounts to be billed to the employer.

INPUT:

Files: Employer, Coverage, Billing, Tables Data Bases

Screens: Coverage Termination

NOTE: Transaction, Individual, Coverage Root and current Coverage Period segments are received via COMMAREA

OUTPUT:

Files: Coverage Transaction Data Base  
Individual, Coverage, Billing Data Bases  
(approved transactions only)

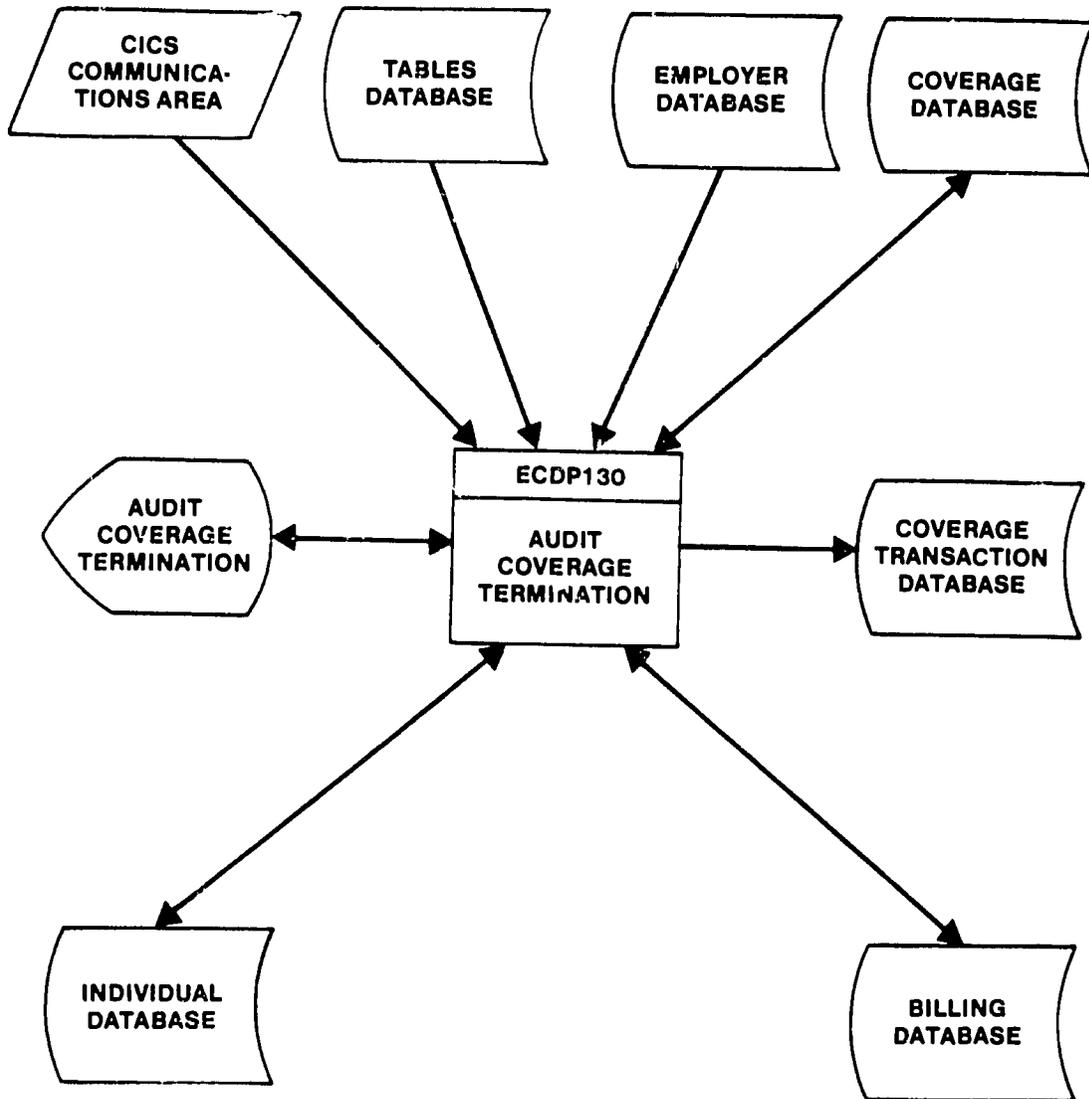
INTERFACE:

Invoked by: ECDP100 Audit Processing Driver

Transfers to: ECDP100 Audit Processing Driver

Standard Modules:

# PROGRAM I/O DIAGRAM AUDIT COVERAGE TERMINATION



#### 4.1 PROCESS CONTROL

```
EXEC CICS RECEIVE
  MAP (COM-PANEL)
  MAPSET (COM-PANEL-SET)
END-EXEC

IF COM-PROGRAM-STATE EQUAL TO ZERO
  PERFORM 0100-INITIATE-AUDIT
ENDIF

IF COM-PROGRAM-STATE EQUAL TO 1
  IF PF KEY INDICATES APPROVAL
    PERFORM 4000-APPROVED-TRANS
  ELSE
    IF PF KEY INDICATES REJECTION
      PERFORM 5000-REJECTED-TRANS
    ELSE
      IF PF KEY INDICATES HOLD
        PERFORM 6000-HOLD-TRANS
      ELSE
        IF PF KEY INDICATES INVESTIGATE
          PERFORM 7000-INVEST-TRANS
        ELSE
          IF PF KEY INDICATES CANCEL
            PERFORM 8000-CANCEL-AUDIT
          ELSE
            IF PF KEY INDICATES MODIFY
              SET COM-PROGRAM-STATE TO 2
              PERFORM 1000-EDIT-INPUT
```

```

        PERFORM 1100-VERIFY-COVERAGE
        PERFORM 3000-RESEND-SCREEN
    ELSE
        MOVE 'INVALID KEY SELECTION' TO MSG-LINE2
        PERFORM 3000-RESEND SCREEN
    ENDIF
ENDIF
IF COM-PROGRAM-STATE EQUAL TO 2
    IF PF KEY INDICATES CANCEL
        PERFORM 8000-CANCEL-AUDIT
    ELSE
        PERFORM 1000-EDIT-INPUT
        PERFORM 1100-VERIFY-COVERAGE
        SET COM-PROGRAM-STATE TO 1
        PERFORM 3000-RESEND-SCREEN
    ENDIF
ENDIF
0100-INITIATE-AUDIT SECTION
MOVE TRANSACTION RECORD DATA FIELDS TO MAP
IF TRANS-STATUS EQUAL HOLD OR INVESTIGATION
    GET INDIVIDUAL RECORD
    IF SOFT LOCK NOT SET ON
        SET SOFT LOCK ON
        REWRITE INDIVIDUAL RECORD
        PERFORM 1000-EDIT-INPUT
        PERFORM 1100-VERIFY-COVERAGE
    ELSE
        MOVE 'INDIVIDUAL RECORD LOCKED BY ANOTHER TRANSACTION'

```

```

                TO MSG-LINE2
                SET COM-DESTINATION-PROGRAM TO AUDIT DRIVER
                PERFORM 3000-RESEND-SCREEN
            ENDIF

            SET COM-PROGRAM-STATE TO 1
            PERFORM 3000-RESEND-SCREEN
1000-EDIT-INPUT SECTION

            IF TERMINATION-DATE LENGTH GREATER THAN ZERO
                IF TERMINATION-DATE NOT GREATER THAN CURRENT-DATE
                    MOVE TERMINATION-DATE TO COM-CT-TERMINATION-DATE
                ELSE
                    MOVE CURSOR TO TERMINATION-DATE LENGTH
                    SET TERMINATION-DATE ATTRIBUTE
                    PERFORM 3000-RESEND-SCREEN
                ENDIF
            ENDIF

            IF TERM-FORM-DATE LENGTH GREATER THAN ZERO
                IF TERM-FORM-DATE NOT GREATER THAN CURRENT-DATE
                    MOVE TERM-FORM-DATE TO COM-CT-TERM-FORM-DATE
                ELSE
                    MOVE CURSOR TO TERM-FORM-DATE LENGTH
                    SET TERM-FORM-DATE ATTRIBUTE
                    PERFORM 3000-RESEND-SCREEN
                ENDIF
            ENDIF

            IF TERMINATION-REASON LENGTH GREATER THAN ZERO
                PERFORM 4000-TERM-RSN-CHECK
                IF TERMINATION-REASON VALID
                    MOVE TERMINATION-REASON TO COM-CT-TERMINATION-REASON
                ELSE

```

```

        MOVE CURSOR TO TERMINATION-REASON LENGTH
        SET TERMINATION-REASON ATTRIBUTE BYTE
        PERFORM 3000-RESEND-SCREEN

    ENDIF

1100-VERIFY-COVERAGE SECTION

    IF TERMINATION-DATE LESS THAN SEGMENT COVERAGE-START-DATE
        MOVE CURSOR TO TERMINATION-DATE LENGTH
        SET TERMINATION-DATE ATTRIBUTE
        MOVE 'TERMINATION DATE PRIOR TO COVERAGE START DATE' TO
            MSG-LINE2
        PERFORM 3000-RESEND-SCREEN
    ENDIF

    IF PERIOD-END-DATE NOT EQUAL TO ZERO
        MOVE CURSOR TO TERMINATION-DATE LENGTH
        SET TERMINATION-DATE ATTRIBUTE BYTE
        MOVE 'CURRENT PERIOD ALREADY TERMINATED' TO MSG-LINE2
        PERFORM 3000-RESEND-SCREEN
    ENDIF

3000-RESEND-SCREEN SECTION

    EXEC CICS SEND
        MAPSET (COM-PANEL-SET)
        MAP (COM-PANEL)
        FREEKB
        CURSOR
        END-EXEC
        PERFORM 9000-BASIC RETURN

4000-TERM-RSN-CHECK SECTION

```

MOVE TERMINATION-REASON-PREFIX TO TABLE-KEY-PREFIX

MOVE TERMINATION-REASON TO TABLE-KEY-VALUE

GET TABLES DATABASE RECORD

IF FOUND

PASS EDIT

ELSE

FAIL EDIT

ENDIF

4000-APPROVED-TRANS SECTION

PERFORM 4200-WRITE-APPROVED TRANS

PERFORM 4300-UPDATE-COVERAGE-DB

4200-WRITE-APPROVED-TRANS SECTION

SET TRANSACTION STATUS-CODE TO APPROVED

MOVE DATE TO TRANSACTION

MOVE AUDITOR SIN TO TRANSACTION

MOVE SCREEN CONTENTS TO TRANSACTION DATA AREA

SUBTRACT 1 FROM COM-HOLD-TRANS-REC-NUM GIVING TRANSACTION  
RECORD NUMBER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

4300-UPDATE-COVERAGE-DB SECTION

PERFORM 4310-UPDATE-COV-DB

PERFORM 4400-UPDATE-INDIVIDUAL

PERFORM 4500-UPDATE-BILLING

4310-UPDATE-COV-DB SECTION

GET COVERAGE ROOT SEGMENT, KEY IS SIN

IF RETURN CODE IS 'SEGMENT NOT FOUND'

```

MOVE 'COVERAGE SEGMENTS DO NOT EXIST' TO
      MAP-MSG-LINE2
SET COM-DISTINATION-PGM TO AUDIT DRIVER
PERFORM 3000-RESEND-SCREEN
ELSE
PERFORM 4310-TERMINATE-COVERAGE-SEGMENT
PERFORM 4320-ADD-NO-COVERAGE-SEGMENT
      IF RETURN CODE IS ERROR CONDITION
          MOVE 'ERROR ADDING COVERAGE SEGMENT' TO
              MAP-MSG-LINE2
          SET COM-DESTINATION-PGM TO AUDIT DRIVER
          PERFORM 3000-RESEND-SCREEN
      ENDIF
ENDIF
ENDIF
4310-TERMINATE-COVERAGE-SEGMENT SECTION
GET COVERAGE ROOT SEGMENT, KEY IS SIN
IF RETURN CODE IS 'SEGMENT NOT FOUND'
      MOVE 'COVERAGE PERIOD SEGMENT NOT FOUND' TO
          MSG-LINE2
      SET COM-DESTINATION-PGM TO AUDIT DRIVER
      PERFORM 3000-RESEND-SCREEN
ENDIF
IF TRANSACTION EMPLOYER-BIN NOT EQUAL TO SEGMENT
      EMPLOYER-BIN
      MOVE 'FORM/DB EMPLOYER BINS DO NOT AGREE' TO
          MSG-LINE2
      PERFORM 3000-RESEND-SCREEN
ENDIF

```

CALCULATE COVERAGE PERIOD MONTHS  
 ADD MONTHS TO ROOT CUMULATIVE-MONTHS  
 MOVE TERMINATION-DATE TO COVERAGE PERIOD SEGMENT  
 MOVE TERMINATION-REASON-CODE TO COVERAGE PERIOD SEGMENT  
 CALL 'CBLTDLI' ....  
     TO REWRITE COVERAGE ROOT SEGMENT  
 CALL 'CBLTDLI' ....  
     TO REWRITE COVERAGE PERIOD SEGMENT  
 4320-ADD-NO-COVERAGE-SEGMENT SECTION  
     ADD 1, TERMINATION-DATE GIVING COVERAGE PERIOD SEGMENT  
         PERIOD-START-DATE  
     MOVE ZERO TO COVERAGE PERIOD SEGMENT EMPLOYER-BIN  
   PERIOD-END-DATE  
   LAW-SECTOR-CODE  
   TERMINATION-  
   REASON-CODE  
     SET COVERAGE PERIOD SEGMENT PERIOD-STATUS-FLAG  
         TO ZERO  
     CALL 'CBLTDLI' . . . . .  
         TO ADD COVERAGE PERIOD SEGMENT  
 4400-UPDATE-INDIVIDUAL SECTION  
     GET INDIVIDUAL RECORD, KEY IS SIN  
     IF RETURN CODE IS 'NOT FOUND'  
         MOVE 'INDIVIDUAL SEGMENT NOT FOUND' TO  
             MAP-MSG-LINE2  
     SET COM-DESTINATION-PGM TO AUDIT DRIVER  
     PERFORM 3000-RESEND-SCREEN

```

ELSE
    UPDATE DATE-LAST-ACTION AND ACTION-TYPE-CODE
    SET COVERAGE-FLAG AS APPROPRIATE
    SET APPLICABLE-LAW-FLAG AS APPROPRIATE
    CALL 'CBLTDLI'.....
        TO REWRITE INDIVIDUAL RECORD
    IF RETURN CODE INDICATES ERROR CONDITION
        MOVE 'ERROR REWRITING INDIVIDUAL SEGMENT' TO
            TO MAP-MSG-LINE2
        SET COM-DESTINATION-PGM TO AUDIT-DRIVER
        PERFORM 3000-RESEND-SCREEN
    ENDIF
ENDIF

4400-UPDATE-EMPLOYER-BILLING SECTION
    GET BILLING ROOT SEGMENT, KEY IS BIN/SIN
    IF RETURN CODE IS 'SEGMENT NOT FOUND'
        MOVE 'EMPLOYER BILLING SEGMENT NOT FOUND' TO
            TO MAP-MSG-LINE2
        PERFORM 3000-RESEND-SCREEN
    ENDIF

    PERFORM 4410-CALCULATE-CONTRIB
    DECREMENT NUMBER OF EMPLOYEES
    DECREMENT CONTRIBUTION FIELDS
    DECREMENT TOTAL DEDUCTIONS
    DECREMENT TOTAL PAYROLL
    PERFORM 4420-REWRITE-BILL-ROOT
    IF RETURN CODE IS ERROR CONDITION
        MOVE 'ERROR REWRITING BILLING ROOT' TO

```

```

MAP-MSG-LINE2
PERFORM 3000-RESEND-SCREEN
ELSE
PERFORM 4430-DELETE-XREF-SEGMENT
IF RETURN CODE IS ERROR CONDITION
MOVE 'ERROR DELETING BILLING XREF SEG'
TO MAP-MSG-LINE2
SET COM-DESTINATION-PGM TO AUDIT DRIVER
PERFORM 3000-RESEND-SCREEN
ENDIF
ENDIF
4410-CALCULATE-CONTRIB SECTION
CALCULATE CONTRIBUTIONS AS INDICATED IN LAW 79
CONTRIBUTION SCHEDULES
4420-REWRITE-BILL-ROOT SECTION
CALL 'CBLTDLI' .....
TO REWRITE BILLING ROOT SEGMENT
4430-DELETE-XREF-SEGMENT SECTION
CALL 'CBLTDLI' .....
TO DELETE CROSS-REFERENCE SEGMENT
5000-REJECTED-TRANS SECTION
SET TRANS-STATUS-CODE TO REJECT
MOVE DATE TO TRANSACTION
SUBTRACT 1 FROM COM-HOLD-REC-NUM
MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER
MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA
SET COM-DESTINATION-PGM TO AUDIT DRIVER

```

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

MOVE 'TRANSACTION REJECTED' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

6000-HOLD-TRANS SECTION

SET TRANS-STATUS-CODE TO HOLD

MOVE DATE TO TRANSACTION

SUBTRACT 1 FROM COM-HOLD-REC-NUM

MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER

MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA

SET COM-DESTINATION-PGM TO AUDIT DRIVER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

MOVE 'TRANSACTION PLACED ON HOLD' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

7000-INVEST-TRANS SECTION

SET TRANS-STATUS-CODE TO INVESTIGATION

MOVE DATE TO TRANSACTION

SUBTRACT 1 FROM COM-HOLD-REC-NUM

MOVE COM-HOLD-REC-NUM TO TRANSACTION RECORD NUMBER

MOVE MAP DATA FIELDS TO TRANSACTION DATA AREA

SET COM-DESTINATION-PGM TO AUDIT DRIVER

WRITE TRANSACTION TO COVERAGE-TRANSACTION-FILE

MOVE 'TRANSACTION PLACED IN INVESTIGATION' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

8000-CANCEL-AUDIT SECTION

SET COM-DESTINATION-PGM TO AUDIT DRIVER

MOVE 'AUDIT CANCELLED' TO MSG-LINE2

PERFORM 3000-RESEND-SCREEN

9000-BASIC-RETURN SECTION

EXEC CICS RETURN  
    TRANSID (COM-TRAN-ID)  
    COMMAREA (DFHCOMMAREA-W)  
    LENGTH (COM-LENGTH)  
END-EXEC

## PROGRAM DESCRIPTION

|            |   |            |        |
|------------|---|------------|--------|
| System:    | Coverage                                | Author:    | CB     |
| Subsystem: | Law 79, Private Sector                  | Date f.c.: | 9/4/84 |
| Function:  | Auditor Processing                      | Date l.u.: | 9/5/84 |
| Program:   | ECDP140 - Audit Purchase Periods Phase: |            |        |

CICS Trans ID: D140

### Description:

If an individual is currently covered and has not yet reached pensionable age, he may purchase any uncovered periods in his past toward his retirement, provided he buys in blocks of one or more years. If, however, he is not currently covered, he may still be eligible to purchase uncovered periods if by so purchasing it will qualify him for a 19 year retirement. Furthermore, he may take out a loan to pay for the purchase if the purchase would qualify him for a 9 or 19 year retirement, depending on his age.

He may elect to pay the entire premium at one time, or monthly until his 60th birthday, or if eligible, take out a 5, 10, or 15 year loan to make the lump sum payment. All of his options are calculated and displayed on the screen for his selection. The users of this screen are as follows:

- o Data Entry Clerk - responsible for data entry for applicant to purchase uncovered periods.
- o Auditor - responsible for the manual and automated verification of the accuracy of the entered data. He can retrieve the information the Data Entry Clerk entered, and approve, modify, hold, hold for inspection, or reject the transaction. He alone has the ability to approve the transaction and allow the data base to be updated with the new coverage segments and deleted uncovered segments.
- o Inspector - if the Auditor is not satisfied with a transaction or file then he indicates that a formal inspection is required. The inspector then goes into the field, performs the investigation, and reports his findings.

### INPUTS:

Files: Unit Table, Transaction Segment, Coverage Periods Segment

Screens: Coverage Upgrade Application Screen (ECS130)

Reports:

Documents: Birth Certificates

OUTPUTS:

Files: Transaction Segment, Coverage Periods Segment

Screens: Coverage Upgrade Application Screen (ECS130)

Reports:

Documents:

INTERFACE:

Invoked by: Coverage Subsystem Menu

Transfers to: Coverage Subsystem Menu  
AESIS Main Menu

STANDARD MODULES:

Name:

Function:

PROCESSING LOGIC

Validate operator as Auditor type.

If auditor initiate, get previous Data Entry transaction; calculate the purchase amount, payments, and loan amount, if any; write Auditor transaction; send screen and return to CICS.

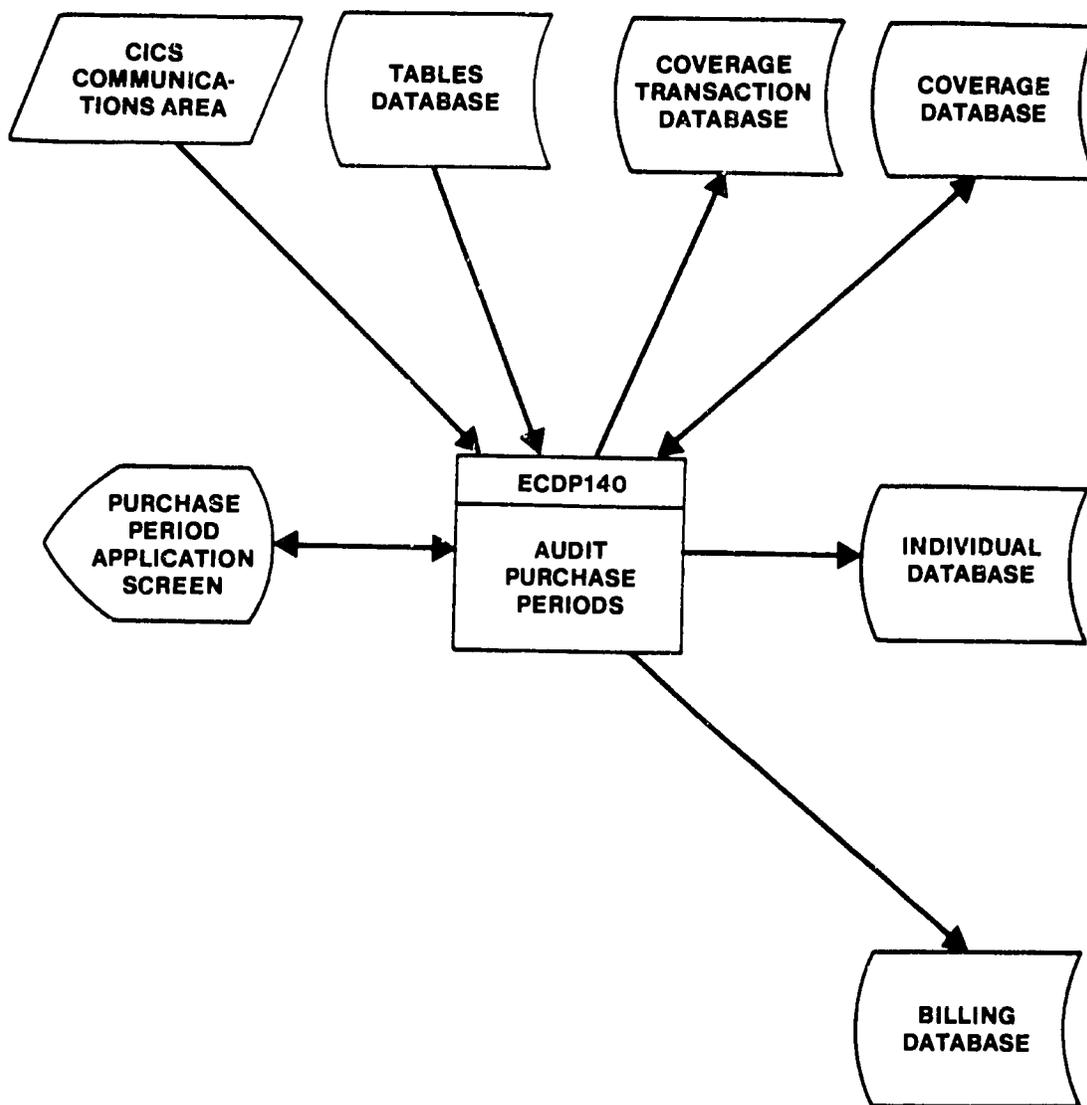
If Auditor accept, calculate payment due date, flag transaction record of pending acceptance; flag appropriate Coverage Periods segments as up-graded; flag transaction record status as final disposition; release lock; send verification screen and return to CICS.

If Auditor modify, insure lock on, get previous transaction for modification; check validity and eligibility' insert transaction segment with modified record; send verification screen and return to CICS.

If Auditor hold, inspec, or reject, flag transaction segment as

hold, inspect, or reject status; release lock----

# PROGRAM I/O DIAGRAM AUDIT PURCHASING PERIODS



PROCESS CONTROL

PROGRAM ECPI40

UPGRADING PERIODS AUDIT

1000-INITIALIZATION

MOVE COMAREA DATA TO WE-COMAREA

IF PROGRAM-STATE = 1

GO TO 3000-PROGRAM-STATE-1

ENDIF

2000-CALC-PAYMENTS

READ PP=TABLE4 ON WS-AGE

COMPUTE WS-LUMP-SUM1 EQUAL SALARY TIMES PP-TABLE4-FACTOR

COMPUTE TOTL-LUMP-SUM1 EQUAL WS-LUMP-SUM1

TIMES WS-WHOLE-MONTHS

DIVIDED BY 12

COMPUTE WS-LUMP-SUM1 EQUAL APPLIC-DATE-SALARY

TIMES PP-TABLE4-FACTOR

TIMES 40 PERCENT

COMPUTE TOT-LUMP-SUM2 EQUAL WS-LUMP-SUM2

TIMES WS-WHOLE-MONTHS

DIVIDED BY 12

IF TOT-LUMP-SUM1 LESS THAN TOT-LUMP-SUM2

MOVE TOT-LUMP-SUM1 TO MAP-PURCHASE-AMOUNT

ELSE

MOVE-TOT-LUMP-SUM2 TO MAP-PURCHASE-AMOUNT

ENDIF

(NOW COMPUTE INSTALLMENT PAYMENTS)

READ PP-TABLE6 ON WE-AGE

COMPUTE NUMBER-OF-PAYMENTS FROM APPLICATION-DATE TILL AGE 60

```

COMPUTE MAP-INSTALLMENT-PAYMENT = MAP-PURCHASE-AMOUNT
      TIMES PP-TABLE6-FACTOR
      DIVIDED BY 100
      DIVIDED BY NUMBER OF PAYMENTS
(NOW COMPUTE LOAN PAYMENTS)
IF LOAN-FLAG = 'NO'
      GO TO 2000-EXIT
ENDIF
READ PP-TABLE7 ON WE-AGE
COMPUTE MAP-5 YEAR-LOAN = MAP-PURCHASE-AMOUNT
      DIVIDED BY PP-TABLE7-FACTOR 1
      ROUNDED TO NEXT PIASTRE
COMPUTE MAP-10 YEAR-LOAN = MAP-PURCHASE-AMOUNT
      DIVIDED BY PP-TABLE7-FACTOR 2
      ROUNDED TO NEXT PIASTRE
COMPUTE MAP-15 YEAR-LOAN = MAP-PURCHASE-AMOUNT
      DIVIDED BY PP-TABLE7-FACTOR 3
      ROUNDED TO NEXT PIASTRE
2000-EXIT
SET COM-PROGRAM-STATE TO 1
EXEC CICS SEND
      MAPSET (EC S00S)
      MAP (EC S130)
      FROM (MAP-AREA)
      FREEKB
      ERASE
      CURSOR

```

```
END-EXEC  
EXEC CICS RETURN  
    TRANS-ID (COM-TRANS-ID)  
    COMMAREA (DFH-COMMAREA)  
    LENGTH   (COM-LENGTH)  
END-EXEC
```

### 3000-PROGRAM-STATE-1

```
EXEC CICS RECEIVE  
    MAPSET (EC S000S)  
    MAP    (EC S130)  
    INTO   (MAP-AREA)  
END-EXEC  
MOVE COM-SIN TO COVERAGE-SSA  
IF PFK = CANCEL  
    SET MESSAGE-LINE TO `CANCELED AT OPERATOR REQUEST`  
    EXEC CICS SEND  
        MAPSET (EC S000S)  
        MAP    (EC S130)  
        TEXT FROM (MESSAGE-LINE)  
        LENGTH (79)  
        FREEKB  
        ERASE  
        CURSOR  
    END-EXEC  
    GO TO 9999-TERMINATE  
ENDIF  
IF PFK = RETURN
```

```

EXEC CICS XCTL
    PROGRAM (COVERAGE-DRIVER)
    CINNAREA (DFGCINAREA)
    LENGTH (COM-LENGTH)
END-EXEC

ENDIF
IF PFK = MAIN-MENU
    EXEC CICS XCTL
        PROGRAM (EC P000)
        COMMAREA (DFHCOMAREA)
        LENGTH (COM-LENGTH)
    END-EXEC
ENDIF
GO TO 4000-ACCEPT, 5000-HOLD-INSPECT-REJECT, 6000-MODIFY
    DEPENDING ON MAP-ACCEPT-FLAG
4000-ACCEPT
    CALL 'DATEDIM' TO DETERMINE DAYS UNTIL END OF NEXT MONTH
    CALL 'DATENEW' TO CONVERT LAST DAY OF NEXT MONTH
        TO MAP-PAYMENT-DUE-DATE
    MOVE DATA TO TRANSACTION RECORD AREA
    MOVE 'UPDATE PENDING' TO TRANSACTION RECORD STATUS-CODE
    SUBTRACT 1 FROM TRANS-RECORD-COUNT IN TRANS-SSA
    CALL 'CBLTDLI' USING (UPDAT TRANS WITH APPROVED STATUS)
        INSERT
        TRANSACTION-PCB
        TRANS-SSA
    MOVE TRANS-START TO COVERAGE-PERIODS-SSA

```

```
CALL 'CBLTDLI' USING
    GET HOLD UNIQUE
    COVERAGE-PERIODS-PCB
    COVERAGE-SSA
    COVERAGE-PERIODS-SSA
MOVE 92 (UPGRADED) TO PERIOD-STATUS-CODE
CALL 'CBLTDLI' USING
    REPLACE
    COVERAGE-PERIODS-PCB
    COVERAGE-SSA
    COVERAGE-PERIODS-SSA
```

#### 4020-UPDATE-TRANS

```
SUBTRACT 1 FROM TRANS-RECORD-COUNT IN TRANS-SSA
SET TRANS-STATUS-CODE TO 'FINAL DISPOSITION'
CALL `CBLTDLI' USING
    INSERT
    TRANSACTION-PCB
    TRANS-SSA
REMOVE LOCK
CALL 'CBLTDLI' USING      (TRANSACTION IS NOW COMPLETED.
    REPLACE                REMOVE LOCK)
    INDIVIDUAL-PCB
    INDIVIDUAL-SSA
SET MESSAGE-LINE TO 'DATABASE UPDATED & TRANSACTION COMPLETED'
GO TO 9999-SEND-SCREEN
```

#### 5000-HOLD-INSPECT-REJECT

```
SET TRANSACTION STATUS-CODE TO 'H' 'I' OR 'R'  
    DEPENDING ON MAP-ACCEPTANCE-FLAG  
SUBTRACT 1 FROM TRANS-RECORD-COUNT IN TRANS-SSA  
CALL 'CBLTDLI' USING  
    INSERT  
    TRANSACTION-PCB  
    TRANS-SSA  
REMOVE LOCK  
CALL 'CBLTDLI' USING  
    REPLACE  
    INDIVIDUAL-PCB  
    INDIVIDUAL-SSA  
SET MESSAGE-LINE TO INDICATE DB UNLOCKED  
    WITH HOLD, INSPECT, OR REJECT STATUS  
GO TO 999-SEND SCREEN
```

6000-MODIFY

```
IF INDIVIDUAL-LOCK IS OFF  
    SET LOCK ON  
    CALL 'CBLTDLI' USING  
    REPLACE  
    INDIVIDUAL-PCB  
    INDIVIDUAL-SSA  
ENDIF
```

\*\*\*\*\* VALIDATE NEW MODIFICATIONS

```
IF PERIOD-START-DATE NOT LESS THAN CONTRIBUTION-START-DATE  
    SET MESSAGE-LINE TO 'START DATE MUST BE LESS THAN
```

```

CONTRIBUTION START DATE'
GO TO 9999-BAD-ENDING
ENDIF

IF APPLICATION-DATE GREATER THAN CURRENT-DATE
    SET MESSAGE-LINE TO 'APPLIC DATE GREATER THAN CURR DATE'
    GO TO 4999-BAD-ENDING
ENDIF

MOVE COM-UNIT TO UNIT-SSA
CALL 'CBLTDLI' USING`
    GET UNIQUE
    UNIT-TABLES-PCB
    TABLE-SSA
    UNIT-SSA

IF UNIT NOT FOUND
    SET MESSAGE-LINE TO 'UNIT DOESNT EXIST IN UNIT TABLE'
    GO TO 9999-BAD-ENDING
ENDIF

6020-ELIGIBILITY-CHECK

IF COVERAGE-END-DATE NOT EQUAL ZERO
    SET MESSAGE-LINE TO 'NOT CURRENTLY COVERED -INELIGIBLE'
    GO TO 4999-BAD-ENDING
ENDIF

PERFORM PENSIONABLE-AGE ROUTINE

IF APPLICATION-DATE NOT LESS THAN PRNSIONABLE-AGE-DATE
    SET MESSAGE-LINE TO 'APPLICATION DATE MUST BE BEFORE
        PENSIONABLE AGE'
    GO TO 4999-BAD-ENDING

```

```

        ENDIF
*       A PERIOD STATUS CODE OF 53, 58, OR 59 DEFINES THAT PERIOD
*       BEFORE 9/1/75 FOR WHICH THE INSURED IS ENTITLED TO END OF
*       WORKING PERIOD COMPENSATION

*       ADJUST PERIOD START DATE TO BEGINNING OF MONTH
        IF PERIOD-START-DAY NOT EQUAL 1
            ADD 1 TO PERIOD-START-MONTH
            MOVE 1 TO PERIOD-START-DAY
        ENDIF
6030-FIND-ELIGIBLE-SEGMENT
        IF PERIOD-STATUS-CODE EQUAL 53,58, OR 59
            IF SIO-CONTRIB-START-DATE BETWEEN COVERAGE START AND END
                DATES
                    MOVE EMPLOYER-BIN TO HOLD-BIN
                    IF PERIOD-START-DATE GREATER THAN
                        COVERAGE-START-DATE
                            COMPUTE DAY-COUNT FROM PERIOD-START-DATE TO
                                COVERAGE-END-DATE
                            COMPUTE MONTH-COUNT FROM PERIOD-START-DATE
                                TO SIO-CONTRIB-START-DATE
                        ELSE
                            COMPUTE DAY-COUNT FROM COVERAGE-START-DATE TO
                                COVERAGE-END-DATE
                            COMPUTE MONTH-COUNT FROM COVERAGE-START-DATE TO
                                SIO-CONTRIB-START-DATE
                        ENDIF
                    ENDIF
        ENDIF

```

```

        ADD DAY-COUNT TO TOTAL0-COVERD-DAYS
        ADD MONTH-COUNT TO TOTAL-UPGRADE-MONTHS
        GO TO 6040-FOUND-ELIGIBLE-SEGMENT

    ENDIF

ENDIF

CALL 'DATEDIF' USING
    COVERAGE-START-DATE
    COVERAGE-END-DATE
    DAY-COUNT

ADD DAY-COUNT TO TOTAL-COVERED-DAYS
READ NEXT COVERAGE-PERIODS SEGMENT
IF NO MORE RECORDS
    SET MESSAGE-LINE TO 'ELIGIBLE SEGMENT NOT FOUND'
    GO TO 4999-RAD-ENDING
ELSE
    GO TO 6030-FIND-ELIGIBLE-SEGMENT
ENDIF

6040-FOUND-ELIGIBLE-SEGMENT
    IF PERIOD-START-DATE GREATER THAN COVERAGE-START-DATE
        GO TO 6050-LOAN-ELIGIBILITY
    ENDIF
    READ NEXT COVERAGE-PERIODS SEGMENT
    IF NO MORE RECORDS
        GO TO 6050-LOAN-ELIGIBILITY
    IF EMPLOYER-BIN NOT EQUAL HOLD-BIN
        GO TO 6050-LOAN-ELIGIBILITY
    IF PERIOD-STATUS-CODE NOT EQUAL 53, 58, OR 59

```

```

        GO TO 6050-LOAN ELIGIBILITY
    IF PERIOD-START-DATE GREATER THAN COVERAGE-START-DATE
        COMPUTE DAY-COUNT FROM PERIOD-START-DATE TO COVERAGE-
        END-DATE
        COMPUTE MONTH-COUNT FROM PERIOD-START-DATE TO COVERAGE-
        END-DATE
    ELSE
        COMPUTE DAY-COUNT FROM COVERAGE-START-DATE TO COVERAGE-
        END-DATE
        COMPUTE MONTH-COUNT FROM COVERAGE-START-DATE TO COVERAGE-
        EMDADATE
    ENDIF
    ADD DAY-COUNT TO TOTAL-COVERED-DAYS
    GO TO 6040-FOUND-ELIGIBLE-SEGMENT
6050-LOAN-ELIGIBILITY
    MOVE COVERAGE-START-DATE TO TRANS-START
    SET LOAN-FLAG TO 'YES'
    IF DOB GREATER THAN 4/1/34
        SET LOAN-FLAG TO 'NO'
    ENDIF
    CALL 'DATEDIF' USING
        DOB
        APPLICATION-DATE
        WS-AGE
    DIVIDE WS-AGE BY 365 ROUNDED UP
    DIVIDE TOTAL-COVERED-DAYS BY 365 GIVING COVERED-YEARS
    IF WE-AGE NOT LESS THAN 60

```

```

        IF COVERED-YEARS LESS THAN 9
            SET LOAN-FLAG TO 'NO'
        ENDIF

    ELSE

        IF COVERED-YEARS LESS THAN 19
            SET LOAN-FLAG TO 'NO'
        ENDIF

    ENDIF

6060-ELIGIBLE

    IF LOAN-FLAG = 'YES'
        SET MESSAGE-LINE TO `ELIGIBLE FOR PURCHASE AND LOAN`
    ELSE
        SET MESSAGE-LINE TO `ELIGIBLE FOR PURCHASE WITHOUT LOAN`
    ENDIF

    SET TRANSACTION STATUS-CODE TO 'AUDITOR MODIFIED'
    SUBTRACT 1 FROM TRANS-RECORD-COUNT
    CALL `CBLTDLT` USING
        INSERT
        TRANSACTION-PCB
        TRANS-SSA

    SET COM-PROGRAM-STATE TO ZERO
    GO TO 9999-SEND-SCREEN

9999 SEND-SCREEN

    EXEC CICS SEND
        MAPSET (EC S0005)
        MAP     (EC S125)
        FROM    (MAP-AREA)

    END-EXEC

```

9999-TERMINATE

EXEC CICS RETURN  
    TRANS-ID (COM-TRANS-ID)  
    COMMAREA (DFHCOMAREA)  
    LENGTH (COM-LENGTH)  
END-EXEC

9999-BAD-ENDING

EXEC CICS SEND  
    FROM (MESSAGE-LINE)  
    LENGTH (79)  
END-EXEC  
SET-COMTRAN-ID TO 9999  
GO TO 9999-TERMINATE

## PROGRAM DESCRIPTION

System: Coverage Author: CB  
Subsystem: Law 79, Private Sector Date f.c.: 9/4/84  
Function: Auditor Processing Date l.u.: 9/5/84  
Program: ECDP150 - Audit Upgrade Periods Phase: 2  
CICS Trans ID: D150

### Description:

If an individual is currently covered and has not yet reached pensionable age, he may wish to upgrade his coverage prior to 9/1/75 (when the SIO program began) so that his SIO benefits will be increased. He may do this for the employment period prior to SIO for whatever months he was working for the same employer on 9/1/75.

He may elect to pay the entire premium at one time, or monthly until his 60th birthday, or if eligible, take out a 5-, 10, or 15-year loan to make the lump sum payment. All of his options are calculated and displayed on the screen for his selection. The users of this screen are as follows:

- o Auditor - responsible for the manual and automated verification of the accuracy of the entered data. He can retrieve the information the Data Entry Clerk entered, and approve, modify, hold, hold for inspection, or reject the transaction. He alone has the ability to approve the transaction and allow the data base to be updated with the upgraded Coverage Segment.
- o Inspector - if the Auditor is not satisfied with a transaction on file then he indicates that a formal inspection is required. The inspector then goes into the field, performs the investigation, and reports his findings.

### INPUTS:

Files: Unit Table, Transaction, Coverage, and Uncovered Segments

Screens: Purchase Period Application Screen

Reports:

Documents: Birth Certificate

### OUTPUTS:

Files: Transaction, Coverage, and Uncovered Segments

Screens: Purchase Period Application Screen

Reports:

Documents:

INTERFACE:

Invoked by: Coverage Subsystem Menu

Transfers to: Coverage Subsystem Menu  
AESIS Main Menu

STANDARD MODULES:

Name:

Function:

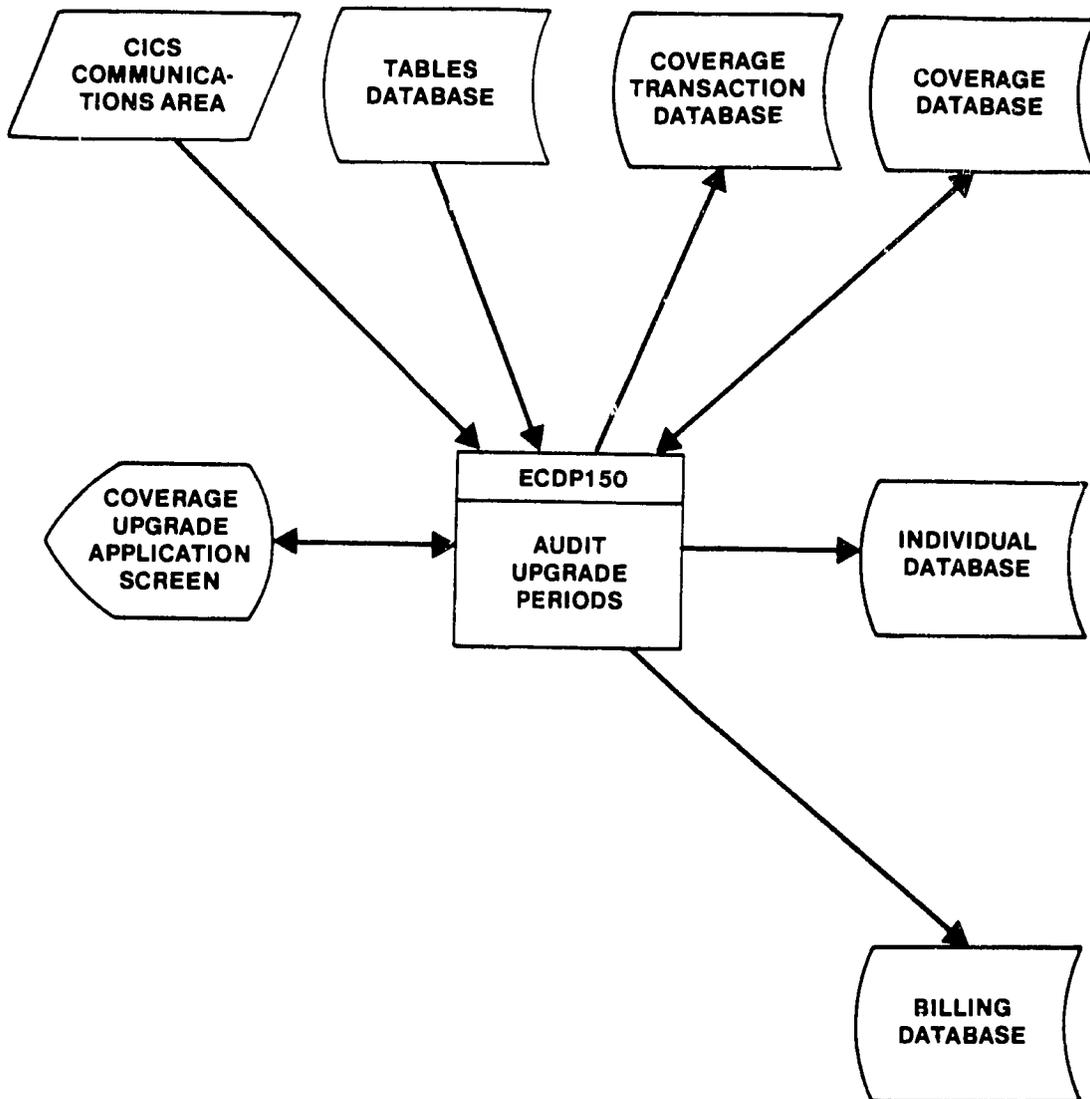
PROCESSING LOGIC

Validate operator as Auditor type. If auditor initiate, get previous Data Entry transaction; calculate the purchase amount, payments, and loan amount, if any; write Auditor transaction; send screen and return to CICS.

If Auditor accept, calculate payment due date, flag transaction record of pending acceptance; insert new coverage periods segments and flag them as purchased; delete corresponding uncovered periods segments, flag transaction record status as final disposition; release lock; send verification screen and return to CICS.

If Auditor modify, insure lock is on; get previous transaction for modification; check validity and eligibility; insert transaction segment with modified record; send verification screen and return to CICS.

# PROGRAM I/O DIAGRAM AUDIT UPGRADE PERIODS



PROCESS CONTROL

PROGRAM EC P 125

PURCHASING PERIODS AUDIT

1000-INITIALIZATION

MOVE COMEREA DATA TO WS-COMAREA

IF PROGRAM-STATE = 1

GO TO 3000-PROGRAM-STATE-1

ENDIF

2000-CALC-PAYMENTS (COMPUTE PURCHASE PAYMENT)

READ PP-TABLE4 ON WS-AGE

COMPUTE WS-PURCHASE-AMOUNT = SALARY TIMES PP-TABLE4-FACTOR

MULTIPLY WS-PURCHASE-AMOUNT BY WS-ELIGIBLE-YEARS

GIVING MAP-PURCHASE-AMOUNT

(NOW COMPUTE INSTALLMENT PAYMENT)

READ PP-TABLE6 ON WS-AGE

COMPUTE NUMBER-OF-PAYMENTS FROM APPLICATION-DATE TIL AGE 60

COMPUTE MAP-INSTALLMENT-PAYMENT = MAP-PURCHASE-AMOUNT

TIMES PP-TABLE6-FACTOR

DIVIDED BY 100

DIVIDED BY NUMBER OF PAYMENTS

(NOW COMPUTE LOAN PAYMENTS)

IF LOAN-FLAG = 'NO'

GO TO 2000-EXIT

ENDIF

READ PP-TABLE 7 ON WS-AGE

COMPUTE MAP-5YEAR-LOAN = MAP-PURCHASE-AMOUNT

DIVIDED BY PP-TABLE7-FACTOR 1

ROUNDED TO NEXT PIASTRE

```
COMPUTE MAP-10YEAR-LOAN = MAP-PURCHASE-AMOUNT
      DIVIDED BY PP-TABLE7-FACTOR2
      ROUNDED TO NEXT PIASTRE
COMPUTE MAP-15-YEAR-LOAN = MAP-PURCHASE-AMOUNT
      DIVIDED BY PP-TABLE7-FACTOR 3
      ROUNDED TO NEXT PIASTRE
```

2000-EXIT

```
GET COM-TROGRAM-STATE TO 1
EXEC CICS SEND
      MAPSET (EC SOOOS)
      MAP (EC S125)
      FROM (MAP--AREA)
      FREEKB
      ERASE
      CURSOR
END-EXEC
EXEC CICS RETURN
      TRANS-ID (COM-TRANS-ID)
      COMMAREA (DFH-COMMAREA
      LENGTH (COM-LENGTH)
END-EXEC
```

3000-PROGRAM-STATE-1

```
EXEC CICS RECEIVE
      MAPSET (EC SOOOS)
      MAP (EC S125)
      INTO (MAP-AREA)
```

```

END-EXEC

MOVE COM-SIN TO COVERAGE-SSA

IF PFK = CANCEL
    SET MESSAGE-LINE TO 'CANCELED AT OPERATOR REQUEST'
    EXEC CICS SEND
        MAPSET (EC SOOOS)
        MAP (EC S125)
        TEXT FROM (MESSAGE-LINE)
        LENGTH (79)
        FREEKB
        ERASE
        CURSOR
    END-EXEC
    GO TO 9999-TERMINATE
ENDIF

IF PFK = RETURN
    EXEC CICS XCTL
        PROGRAM (COVERAGE-DRIVER)
        COMMAREA (DFHCOMAREA)
        LENGTH (COM-LENGTH)
    END-EXEC
ENDIF

IF PFK = MAIN-MENU
    EXEC CICS XCTL
        PROGRAM (EC P000)
        COMMAREA (DFHCOMAREA)
        LENGTH (COM-LENGTH)
    END-EXEC
ENDIF

```

```

ENDIF
GO TO 4000-ACCEPT, 5000-HOLD-INSPECT-REJECT, 6000-MODIFY
    DEPENDING ON MAP-ACCEPT-FLAG
4000-ACCEPT
    CALL 'DATEDIM' TO DETERMINE DAYS UNTIL END OF NEXT MONTH
    CALL 'DATENEW;' TO CONVERT LAST DAY OF NEXT MONTH
        TO MAP-PAYMENT-DUE-DATE
    MOVE DATA TO TRANSACTION RECORD AREA
    MOVE 'UPDATE PENDING' TO TRANSACTION RECORD STATUS-CODE
    SUBTRACT 1 FROM TRANS-RECORD-COUNT IN TRANS-SSA
    CALL 'CBLTDLI' USING (UPDAT TRANS WITH APPROVED STATUS0
        INSERT
            TRANSACTION-PCB
            TRANS-SSA
4010-UPDATE-UNCOVERED (DELETE PURCHASED PERIODS FROM UNCOVERED
        SEGS AND ADD THEM TO COVERED SEGS)
    ADD 1 TO INDEX
    MOVE TRANS-START (INDEX) TO COVERAGE-PERIODS-SSA
    CALL 'CBLTDLI' USING (GET NEXT UNCOVERED SEGMENT PURCHASED)
    GET HOLD UNIQUE
    COVERAGE-PERIODS-PCB
        COVERAGE-SSA
        COVERAGE-PERIODS-SSA
    IF NO MORE RECORDS
        GO TO 4020-UPDATE-TRANS
ENDIF
IF PERIOD-STATUS-CODE NOT = 'PAST UNCOVERED'

```

```

        GO TO 4010=UPDATE-UNCOVERED

ENDIF

SUBTRACT TRANS-ELIG-YEARS (INDEX) FROM UNCOVERED-END-DATE
IF UNCOVERED-END-DATE NOT GREATER THAN UNCOVERED-START DATE
    SET PERIOD-STATUS-CODE TO 'TOTALLY PURCHASED'
    CALL 'CBLTDLI' USING      (IF ENTIRE SEGMENT WAS PURCHASED
        REPLACE              CONVERT TO COVERED SEGMENT)
        COVERAGE-PERIODS-PCB
        COVERAGE-SSA
        COVERAGE-PERIODS-SSA
    GO TO 4010-UPDATE-UNCOVERED

ENDIF

COMPUTE NEW START DATE FOR UNCOV PERIOD REMAINING
    AND STORE IN COVERAGE-PER 100S-SSA

CALL 'CBLTDLI' USING      (IF ONLY PART OF THE PERIOD WAS
    REPLACE                PURCHASED, ADJUST TO REFLECT
        COVERAGE-PERIODS-PCB    THE UNPURCHASED TIME REMAINING)
        COVERAGE-SSA
        COVERAGE-PERIODS-SSA

SET PERIOD-STATUS-CODE TO 'TOTALLY PURCHASED'
SET COVERAGE-PERIOD-SSA TO TRANS-START (INDEX)

CALL 'CBLTDLI' USING      (NOW CREATE A NEW COVERAGE-PERIOD
    INSERT                SEGMENT FOR THE PERIOD PURCHASED)
        COVERAGE-PERIODS-PCB
        COVERAGE-SSA
        COVERAGE-PERIODS-SSA

GO TO 4010-UPDATE-UNCOVERED

4020-UPDATE-TRANS

```

```
SUBTRACT 1 FROM TRANS-RECORD-COUNT IN TRANS-SSA
SET TRANS STATUS-CODE TO 'FINAL DISPOSITION'
CALL 'CBLTDLI' USING
    INSERT
    TRANSACTION-PCB
    TRANS-SSA
REMOVE LOCK
CALL 'CBLTDLI' USING          (TRANSACTION IS NOW COMPLETED.
    REPLACE                    REMOVE LOCK)
    INDIVIDUAL-PCB
    INDIVIDUAL-SSA
SET MESSAGE-LINE TO `DATABASE UPDATED & TRANSACTION COMPLETED'
GO TO 9999-SEND-SCREEN
```

5000-HOLD-INSPECT-REJECTE

```
SET TRANSACTION STATUS-CODE TO 'H' 'I' OR 'R'
    DEPENDING ON MAP-ACCEPTANCE-FLAG
SUBTRACT 1 FROM TRANS-RECORD-COUNT IN TRANS-SSA
CALL 'CBLTDLI' USING
    INSERT
    TRANSACTION-PCB
    TRANS-SSA
REMOVE LOCK
CALL `CBLTDLI' USING
    REPLACE
    INDIVIDUAL-PCB
    INDIVIDUAL-SSA
SET MESSAGE-LINE TO INDICATE DB UNLOCKED
```

WITH HOLD, INSPECT, OR REJECT STATUS  
GO TO 9999-SENT-SCREEN

6000-MODIFY

IF LOCK IS OFF

SET LOCK ON

CALL 'CBLTDLI' USING

REPLACE

INDIVIDUAL-PCB

INDIVIDUAL-SS

ENDIF

\*\*\*\*\* VALIDATE NEW MODIFICATIONS

IF PERIOD-START-DATE NOT LESS THAN PERIOD-END-DATE

SET MESSAGE-LINE TO 'START DATE NOT LESS THAN END DATE'

GO TO 9999-BAD-ENDING

ENDIF

IF APPLICATION-DATE LESS THAN PERIOD-END-DATE

SET MESSAGE-LINE TO 'APPLICATION DATE LESS THAN END DATE'

GO TO 9999-BAD-ENDING

ENDIF

IF APPLICATION-DATE GREATER THAN CURRENT-DATE

SET MESSAGE-LINE TO 'APPLIC DATE GREATER THAN CURR DATE'

GO TO 4999-BAD-ENDING

ENDIF

MOVE COM-UNIT TO UNIT-SSA

CALL 'CBLTDLI' USING

GET UNIQUE

```

UNIT-TABLES-PCB
TABLE-SSA
UNIT-SSA
IF UNIT NOT FOUND
    GET MESSAGE-LINE TO 'UNIT DOESNT EXIST IN UNIT TABLE'
    GO TO 9999-BAD-ENDING
ENDIF

6010 GET-UNCOVERED          (CHECK TO SEE IF THERE ARE ELIG PERIODS)
    CALL 'CBLTDLI' USING
        GET NEXT PARENT
        COVERAGE-PCB
        COVERAGE-PERIODS SEGMENT
    IF NO MORE RECORDS
        SET INDEX TO 1
        IF WS-START-DATE (INDEX) = ZERO
            SET MESSAGE-LINE TO 'NO ELIGIBLE UNCOVERED PERIODS`
            GO TO 9999-BAD-ENDING
        ENDIF
        GO TO 6020-ELIGIBILITY-CHECK
    ENDIF
    IF PERIOD-START-DATE GREATER THAN UNCOV-START-DATE
        GO TO 6010-GET-UNCOVERED
    ENDIF
    IF PERIOD-END-DATE NOT LESS THAN UNCOV-END-DATE
        ADD 1 TO INDEX
        MOVE UNCOV-START-DATE TO
        WS-START-DATE (INDEX)

```

```

TRANS-START (INDEX)
MOVE UNCOV-END-DATE TO WS-END-DATE (INDEX)
COMPUTE WS-ELIGIBLE-YEARS (INDEX)
      = WS-END-DATE (INDEX) MUNUS WS-START-DATE (INDEX)
ADD WS-ELIGIBLE-YEARS (INDEX) TO WS-ELIGIBLE-YEARS
MOVE WS-ELIGIBLE-YEARS (INDEX) TO TRANS-ELIG-YRS (INDEX)
GO TO 6010-GET UNCOVERED

ENDIF

6020-ELIGIBILITY-CHECK

IF PERIOD-START-DATE LESS THAN DOB PLUS 20 YEARS
      SET MESSAGE-LINE TO 'START DATE MUST BE AFTER AGE 20'
      GO TO 9999-BAD-ENDING

ENDIF

IF COVERAGE-END-DATE EQUAL ZERO      (STILL COVERED)
      GO TO 6030-LOAN-ELIGIBILITY

ENDIF

***** ELSE IF NOT WORKING, WILL HE QUALIFY FOR RETIREMENT
DIVIDE CUMULATIVE-MONTHS IN COVERAGE ROOT BY 12
      GIVING COVERED-YEARS

IF COVERED-YEARS GREATER THAN 19
      SET MESSAGE-LINE TO `NON WORKING ALREADY HAS 19 YEARS'
      GO TO 9999-BAD-ENDING

ELSE

      ADD WS-ELIGIBLE-YEARS TO COVERED-YEARS
      GIVING PROJECTED-COVERED YEARS

IF PROJECTED-COVERED-YEARS LESS THAN 19
      SET MESSAGE-LINE TO

```

```

                                'NON WORKING CANT GET 19 YEARS WITH PURCHASE
                                GO TO 9999-BAD-ENDING
                                ENDIF
                                EMDIF
6080-LOAN ELIGIBILITY
                                SET LOAN-FLAG TO 'YES'
                                CALL 'DATEDIF' USING
                                    DOB
                                    APPLICATION-DATE
                                    WS-AGE
                                DIVIDE WS-AGE BY 365 ROUNDED UP
                                IF DCB GREATER THAN 4/1/31
                                    SET LOAN-FLAG TO 'NO'
                                    GO TO 6040-ELIGIBLE
                                ENDIF
                                IF WS-AGE LESS THAN 60
                                    IF PROJECTED-COVERED-YEARS LESS THAN 19
                                        SET LOAN-FLAG TO 'NO'
                                    ENDIF
                                ELSE
                                    IF PROJECTED-COVERED-YEARS LESS THAN 9
                                        SET LOAN-FLAG TO 'NO'
                                    ENDIF
                                ENDIF
                                ENDIF
6040 -ELIGIBLE
                                IF LOAN-FLAG = 'YES'
                                    SET MESSAGE-LINE TO 'ELIGIBLE FOR PURCHASE AND LOAN'

```

```

ELSE
    SET MESSAGE-LINE TO 'ELIGIBLE FOR PURCHASE WITHOUT LOAN'
ENDIF
SET TRANSACTION STATUS-CODE TO 'AUDITOR MODIFIED'
SUBTRACT 1 FROM TRANS-RECORD-COUNT
CALL 'CBLTDLI' USING
    INSERT
    TRANSACTION-PCB
    TRANS-SSA
SET COM-PROGRAM-STATE TO ZERO
GO TO 9999-SEND-SCREEN
9999-SEND-SCREEN
EXEC CICS SEND
    MAPSET (EC SOOOS)
    MAP     (EC S125)
    FROM    (MAP-AREA)
END-EXEC
9999-TERMINATE
EXEC CICS RETURN
    TRANS-ID (COM-TRANS-ID)
    COMMAREA (DFHCOMAREA)
    LENGTH   (COM-LENGTH)
END-EXEC
9999-BAD ENDING
EXEC CICS SEND
    FROM (MESSAGE-LINE)
    LENGTH (79)

```

END-EXEC

SET COM-TRAN-ID TO 9999

GO TO 9999-TERMINATE

## PROGRAM DESCRIPTION

System: Coverage Date f.c.: 31 July 1984  
Subsystem: Law 79, Private Sector Date l.u.: 12 Sept. 1984  
Function: Inspector Processing Phase: 2  
Program: ECDP210 - Inspection Processing  
CICS Trans ID: D210  
Author :DSMC

### Description:

The Inspection Assignment program provides for the entry of inspection assignment data for a transaction that an auditor has flagged for inspection.

The Auditor will not be able to determine on first evaluation whether certain transactions need to be approved or deleted. For these transactions, the Auditor will press a program function key (PFK) in the appropriate audit program, that will change the status to "inspection required". The Auditor uses the Inspection Assignment program to record the Inspector's SIN, the date the Inspector is assigned and the reason code for the inspection. By recording this information on the transaction segment, the system status reports will be able to reflect that the transaction is being processed.

Inspector SINS that are provided must correspond to authorized inspectors in the Authority System and be assigned to the same coverage location as the transaction.

Utilizing the data from the Communications Area, the program verifies that the user is authorized to process the transaction based on user authority. The user enters the inspection assignment data and presses the enter key. The program verifies that the inspector SIN entered is authorized to perform inspection at the coverage location. The screen is presented one more time for verification by the user. Upon verification, the transaction is updated on the coverage transaction database.

### INPUTS:

Files: Tables Database  
Screens: Inspection Assignment (ECDS210)  
Reports: Daily Transaction Report  
Documents: None

Communications Area: CICS Communication Area

**OUTPUTS:**

Files: Coverage Transaction Database

Screens: Inspection Assignment (ECDS210)

Reports: None

Documents: None

Communications Area: CICS Communication Area

**INTERFACE:**

Invoked by: Coverage Driver Module

Transfers to: Coverage Driver Module

**STANDARD MODULES:**

Name: None

Function: None

PROCESSING LOGIC

0000-MAIN-PROCESS

IF COM-PROGRAM-STATE = 1

GO TO 1000-INITIALIZATION

ELSE

IF COM-PROGRAM-STATE =2

GO TO 2000-PROCESS-ASSIGNMENT-DATA

ELSE

IF COM-PROGRAM-STATE = 3

GO TO 3000-PROCESS-VERIFY

ENDIF

SET MESSAGE-CODE TO 'PROGRAM STATE ERROR'

PERFORM 9940-MESSAGE-PROCESSING

PERFORM 0920-SEND-LINE

SET COM-PROGRAM-STATE TO 9999

GO TO 9990-TERMINATE

0920-SEND-LINE

EXEC CICS SEND

FROM (MSG-LINE)

LENGTH (79)

ERASE

END-EXEC

1000-INITIALIZATION

```
SET COM-PANEL TO MAP-NAME (ECDS210)
SET COM-PANEL-SET TO MAP-SET-NAME (ECDS0005)
SET COM-TRAN-ID TO PROGRAM-TRANSACTION-ID (D210)
SET COM-ACTIVE-PFKS TO NULL
IF COM-USERTYPE = AUDITOR OR INSPECTOR-SUPERVISOR
    NEXT-SENTENCE
ELSE
    SET MESSAGE-CODE TO 'INVALID ACCESS'
    GO TO 9920-SEND-AND-TERMINATE
ENDIF
SET COM-ACTIVE PFKS TO 'EXIT'
    'ENTER KEY'
SET COM-PROGRAM-STATE TO 2
GO TO 9910-SEND-AND-RETURN
```

2000-PROCESS-ASSIGNMENT-DATA

PERFORM 2910-RECEIVE-SCREEN

IF PFK-ENTER-KEY

PERFORM 2100-EDIT-ASSIGNMENT

ELSE

IF PFK-EXIT

SET MESSAGE-CODE TO 'PROGRAM TERMINATED'

GO TO 9920-SEND-AND-TERMINATE

ENDIF

GO TO 9910-SEND-AND-RETURN

2100-EDIT-ASSIGNMENT

CALL 'GETAUTH' USING MAP-ISIN

INSPECTOR-AUTH-DATA

(SYSTEM PROGRAM NOT CURRENTLY DEFINED)

IF NOT FOUND

SET MESSAGE-CODE TO 'SIN NOT

FOUND ON AUTHORIZATION DATABASE

GO TO 9910-SEND-AND-RETURN

ENDIF

IF INSPECTOR-AUTH-TYPE NOT = 'INSPECTOR'

SET MESSAGE-CODE TO 'SIN NOT FOR AN INSPECTOR'

GO TO 9910-SEND-AND-RETURN

ENDIF

IF INSPECTOR-AUTH-COVERAGE-LOCATION

NOT = TRANSACTION-COVERAGE-LOCATION

SET MESSAGE-CODE TO 'INSPECTOR'

NOT ASSIGNED TO TRANSACTION LOCATION'

GO TO 9910-SEND-AND-RETURN

```
ENDIF
FORMAT SSA2 FOR TABLES-RECORD-KEY
      INSPECTION-REASON-TABLE EQUAL TO
      MAP-INSPECTION-REASON
CALL `CBLTDLI' FOR GET UNIQUE
      TABLES-RECORD
      EQUAL TO SSA2
IF NOT FOUND
      SET MESSAGE-CODE TO 'INVALID INSPECTION REASON'
      GO TO 9910-SEND-AND-RETURN
ENDIF
FORMAT SCREEN MAP FROM INSPECTION-REASON-DESCRIPTION
SET COM-ACTIVE-PFKS TO 'EXIT'
                        'VERIFY UPDATE'
                        'RESTART'
SET MESSAGE-CODE TO 'PRESS VERIFY PFK FOR UPDATE'
SET PROGRAM-STATE TO 3
```

2910-RECEIVE SCREEN

EXEC CICS RECEIVE

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

SET (COM-PANEL-POINTER)

END-EXEC

3000-PROCESS-VERIFY

PERFORM 3910-RECEIVE-SCREEN

IF PFK-VERIFY-UPDATE

PERFORM 3100-POST-TRANSACTION

ELSE

IF PFK-EXIT

SET MESSAGE-CODE TO 'PROGRAM TERMINATED'

GO TO 9920-SEND-AND-TERMINATE

ENDIF

GO TO 9910-SEND-AND-RETURN

3100-POST-TRANSACTION

CALL 'CBLTDLI' FOR GET HOLD UNIQUE COVERAGE-RECORD

GREATER THAN SSA1

SET-COM-DATE-INSPECTOR-ASSIGNED TO

MAP-DATE-INSPECTOR-ASSIGNED

SET COM-INSPECTOR-ISIN TO

MAP-INSPECTOR-ISIN

SET-COM-INSPECTION-REASON-CODE TO

MAP-INSPECTION-REASON-CODE

SET COM-STATUS-CODE TO '31'

3910-RECEIVE-SCREEN

EXEC CICS RECEIVE

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

SET (COM-PANEL-POINTER)

END-EXEC

9910-SEND-AND-RETURN

IF MESSAGE-CODE NOT EMPEY

PERFORM 9940-MESSAGE-PROCESSING

ENDIF

PERFORM 9950-SEND-SCREEN

GO TO 9999-RETURN

9920-SEND-AND-TERMINATE

IF MESSAGE-CODE NOT EMPTY

PERFORM 9940-MESSAGE-PROCESSING

ENDIF

PERFORM 9950-SEND-SCREEN

GO TO 9990-TERMINATE

9940-MESSAGE-PROCESSING

FORMAT MSG-LINE FROM MESSAGE-CODE

9950-SEND-SCREEN

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL-SET)

FREEKB

ERASE

FSET

CURSOR

END-EXEC

9990-TERMINATE

SET COM-TRAN-ID TO 'COVERAGE DRIVER'

GO TO 9999-RETURN

9999-RETURN

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

## PROGRAM DESCRIPTION

System: Coverage Date f.c.: 31 July 1984  
Subsystem: Law 79, Private Sector Date l.u.: 12 Sept. 1984  
Function: Inspector Processing Phase: 2  
Program: ECDP220 - Inspection Results  
CICS Trans ID: D220  
Author :DSMC

### Description:

The Inspection Results program provides for the entry of the results of an inspection for transaction that have been previously assigned for inspection.

Utilizing the data from the Communication Area, the program verifies that the user is authorized to process the transaction based on user authority. The user enters the Inspection Results Code and the Date Inspection completed fields. The program verifies that the Inspection Results Code is on the Tables Database and presents a final screen for update verification. Upon verification, the transaction is updated in the coverage transaction database.

### INPUTS:

Files: Tables Database  
Screens: Inspection Results (ECDS220)  
Reports: Daily Inspection Report  
Documents: None  
Communications Area: CICS Communications Area

### OUTPUTS:

Files: Coverage Transaction Database  
Screens: Inspection Results (ECDS220)  
Reports: None  
Documents: None  
Communications Area: CICS Communication Area

### INTERFACE:

Invoked by: Coverage System Driver

Transfers to: Coverage System Driver

**STANDARD MODULES:**

Name: None

Function: None

## PROCESSING LOGIC

### 0000-MAIN-PROCESS

```
IF COM-PROGRAM-STATE = 1
    GO TO 1000-INITIALIZATION
ELSE
    IF COM-PROGRAM-STATE = 2
        GO TO 2000-PROCESS-RESULTS-DATA
    ELSE
        IF COM-PROGRAM-STATE = 3
            GO TO 3000-PROCESS-VERIFY
        ENDIF
    SET MESSAGE-CODE TO ' PROGRAM STATE ERROR'
    PERFORM 9940-MESSAGE-PROCESSING
    PERFORM 0920-SEND-LINE
    SET COM-PROGRAM-STATE TO 9999
    GO TO 9990-TERMINATE
```

### 0920-SEND-LINE

```
EXEC CICS SEND
    FROM (MSG-LINE)
    LENGTH (79)
    ERASE
END-EXEC
```

### 1000-INITIALIZATION

```
SET COM-PANEL TO MAP-NAME (ECDS220)
SET COM-PANEL-SET TO MAP-SET-NAME (ECDS0005)
SET COM-ACTIVE-PFKS TO NULL
IF COM-USERTYPE = AUDITOR OR
    INSPECTOR - SUPERVISOR
```

```

        NEXT-SENTENCE
ELSE
        SET MESSAGE-CODE TO 'INVALID ACCESS'
        GO TO 9920-SEND-AND-TERMINATE
ENDIF
SET COM-ACTIVE-PFKS TO 'EXIT'
                        'ENTER KEY'
SET COM-PROGRAM-STATE TO 2
GO TO 9910-SEND-AND-RETURN
2000-PROCESS-RESULTS-DATA
        PERFORM 2910-RECEIVE-SCREEN
        IF PFK-ENTER-KEY
                PERFORM 2100-EDIT-RESULTS
        ELSE
                IF PFK-EXIT
                        SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
                        GO TO 9920-SEND-AND-TERMINATE
                ENDIF
                GO TO 9910-SEND-AND-RETURN
2100-EDIT-RESULTS
        FORMAT SSA2 FOR TABLES-RECORD-KEY,
                INSPECTION-RESULTS-TABLE EQUAL
                TO MAP-INSPECTION-RESULTS
        CALL 'CBLTDLI' FOR GET UNIQUE
                TABLES-RECORD
                EQUAL TO SSA2
        IF NOT FOUND

```

```

        SET MESSAGE-CODE TO 'INVALID' INSPECTION RESULTS
        GO TO 9910-SEND-AND-RETURN
    ENDIF
    FORMAT SCREEN MAP FOR INSPECTION-RESULTS-DESCRIPTION
    SET COM-ACTIVE-PFKS TO 'EXIT'
        'VERIFY-STOP'
        'VERIFY-CONTINUE'
    SET MESSAGE-CODE TO 'PRESS VERIFY PFK FOR UPDATE'
    SET PROGRAM-STATE TO 4
2910-RECEIVE-SCREEN
    EXEC CTCS RECEIVE
        MAPSET (COM-PANEL-SET)
        MAP (COM-PANEL)
        SET (COM-PANEL-POINTER)
    END-EXEC
3000-PROCESS-VERIFY
    PERFORM PFK-VERIFY-CONTINUE
        SET NEW-STATUS-CODE TO '35'
        PERFORM 3100-POST-TRANSACTION
    ELSE
    IF PFK-VERIFY-STOP
        SET NEW-STATUS-CODE TO '36'
        PERFORM 3100-POST-TRANSACTION
    ELSE
    IF PFK-EXIT
        SET MESSAGE-CODE TO 'PROGRAM TERMINATED'
        GO TO 9920-SEND-AND-TERMINATE
    ENDIF

```

GO TO 9910-SEND-AND-RETURN

3100-POST

SET COM-DATE-INSPECTION-COMPLETED TO

MAP-DATE-INSPECTION-COMPLETED

SET COM-INSPECTION-RESULTS TO

MAP-INSPECTION-RESULTS

SET COM-STATUS-CODE TO NEW-STATUS-CODE

CLEAR MAP DATA

SET MESSAGE-CODE TO 'SUCCESSFUL UPDATE'

SET COM-ACTIVE-PFKS TO 'EXIT'

'ENTER KEY'

SET PROGRAM-STATE TO 2

3910-RECEIVE-SCREEN

EXEC CICS RECEIVE

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

SET (COM-PANEL-POINTER)

END-EXEC

9910-SEND-AND-RETURN

IF MESSAGE-CODE NOT EMPTY

PERFORM 9940-MESSAGE-PROCESSING

ENLIF

PERFORM 9950-SEND-SCREEN

GO TO 9999-RETURN

9920-SEND-AND-TERMINATE

IF MESSAGE-CODE NOT EMPTY

PERFORM 9940-MESSAGE-PROCESSING

```
ENDIF
PERFORM 9950-SEND-SCREEN
GO TO 9990-TERMINATE
9940-MESSAGE-PROCESSING
    FORMAT MSG-LINE FROM MESSAGE-CODE
9950-SEND-SCREEN
    EXEC CICS SEND
        MAPSET (COM-PANEL-SET)
        MAP (COM-PANEL)
        FREEKB
        ERASE
        FSET
        CURSOR
    END-EXEC
```

PROGRAM DESCRIPTION

System: Coverage Author: DSMC  
Subsystem: Law 79, Private Sector Date f.c.: 29 August 1984  
Function: Data Base Inquiry Date l.u.: 12 September 1984  
Program: ECDP310 - Query by SIN Phase: 2

CICS Trans ID: D310

Description:

The Query by SIN program will allow for the search of the National Coverage Database with the primary search field of the Social Insurance Number of a covered individual.

The program builds a Segment Search Argument (SSA) that specifies the search parameters and successive records are retrieved until no more records exist matching the search criteria, or the end of the database is reached.

INPUTS:

Files: Coverage, Individual, Tables Databases  
Screens: Query by SIN (ECDS310)  
Reports: None  
Documents: Inquiry Request  
Communications Area: CICS Communications Area

OUTPUTS:

Files: None  
Screens: Query by SIN (ECDS310)  
Reports: None  
Documents: None  
Communications Area: CICS Communications Area

INTERFACE:

Invoked by: Coverage Driver Module  
Transfers to: Coverage Driver Module

STANDARD MODULES:

**Name: None**

**Function: None**

page for diagram

PROCESSING LOGIC:

0000-MAINLINE.

IF COM-PROGRAM-STATE = 0

PERFORM 1000-INITIALIZATION

ENDIF

IF COM-PROGRAM-STATE = 1

PERFORM 2000-RETRIEVE-COVERAGE-RECORD

ENDIF

IF COM-PROGRAM-STATE NOT = 0 OR 1

SET MSG-LINE TO 'PROGRAM STATE ERROR'

PERFORM 9000-SEND-SCREEN

SET COM-TRAN-ID TO DRIVER PROGRAM TRANSACTION ID

PERFORM 9100-RETURN

ENDIF

1000-INITIALIZATION SECTION.

SET COM-PANEL-SET TO MAP-SET-NAME (ECDM310)

SET COM-PANEL TO MAP-NAME (ECDS310)

SET COM-TRAN-ID TO PROGRAM TRANSACTION ID

SET COM-ACTIVE-PF KEYS TO 'ENTER NEW SIN'

'EXIT'

PERFORM 9000-SEND-SCREEN

SET COM-PROGRAM-STATE TO 1

PERFORM 9100-RETURN

2000-RETRIEVE-COVERAGE-RECORD SECTION.

EXEC CICS RECEIVE

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

SET (COM-PANEL-POINTER)

END-EXEC

IF PF KEY DENOTES ENTER NEW SIN

SET SSA TO SIN INPUT

CALL 'CBLTDLI' FOR GET UNIQUE TO RETRIEVE  
NATIONAL INDIVIDUAL RECORD

SET SSA TO SIN INPUT

CALL 'CBLTDLI' FOR GET UNIQUE TO POINT TO THE WANTED  
COVERAGE RECORD

IF FOUND

FORMAT THE COVERAGE INQUIRY SCREEN

PERFORM 9000--SEND--SCREEN

ELSE

SET MSG-LINE TO 'COVERAGE DOES NOT EXIST'

SET COM-TRAN-ID TO PROGRAM TRANSACTION ID

SET COM-ACTIVE-PF KEYS TO 'ENTER NEW SIN'

'EXIT'

PERFORM 9000--SEND--SCREEN

ENDIF

ENDIF

IF PF KEY DENOTES EXIT

SET COM-TRAN-ID TO DRIVER PROGRAM TRANSACTION ID

ENDIF

PERFORM 9100--RETURN

9000--SEND--SCREEN SECTION.

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

ERASE

CURSOR

END-EXEC

9100-RETURN SECTION.

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

## PROGRAM DESCRIPTION

System: Coverage Author: DSMC  
Subsystem: Law 79, Private Sector Date f.c.: 29 August 1984  
Function: Data Base Inquiry Date l.u.: 12 September 1984  
Program: ECDP320 - Query by BIN Phase: 2

CICS Trans ID: D320

### Description:

The Query by BIN program provides a capability to search the Employer Database with the primary search field of the Business Insurance Number of an Employer.

The program builds a Segment Search Argument (SSA) that specifies the search parameters and successive segments are retrieved until no more segments exist matching the search criteria, or the end of the database is reached. Fields from the Employer Data Base segment are displayed on the screen, and the operator is prompted for entry of the next BIN or transfer to a higher level menu.

### INPUTS:

Files: Employer, Tables Databases  
Screens: Query by BIN (ECDS320)  
Reports: None  
Documents: Inquiry Request  
Communications Area: CICS Communications Area

### OUTPUTS:

Files: None  
Screens: Query by BIN (ECDS320)  
Reports: None  
Documents: None  
Communications Area: CICS Communications Area

### INTERFACE:

Invoked by: Coverage System Driver

Transfers to: Coverage System Driver

STANDARD MODULES:

Name: None

Function: None

page for diagram

PROCESSING LOGIC:

0000-MAINLINE.

IF COM-PROGRAM-STATE = 0

PERFORM 1000-INITIALIZATION

ENDIF

IF COM-PROGRAM-STATE = 1

PERFORM 2000-RETRIEVE-EMPLOYER-RECORD

ENDIF

IF COM-PROGRAM-STATE NOT = 0 OR 1

SET MSG-LINE TO 'PROGRAM STATE ERROR'

PERFORM 9000-SEND-SCREEN

SET COM-TRAN-ID TO DRIVER PROGRAM TRANSACTION ID

PERFORM 9100-RETURN

ENDIF

1000-INITIALIZATION SECTION.

SET COM-PANEL-SET TO MAP-SET-NAME (ECDM320)

SET COM-PANEL TO MAP-NAME (ECDS320)

SET COM-TRAN-ID TO PROGRAM TRANSACTION ID

SET COM-ACTIVE-PF KEYS TO 'ENTER NEW BIN'

'EXIT'

PERFORM 9000-SEND-SCREEN

SET COM-PROGRAM-STATE TO 1

PERFORM 9100-RETURN

2000-RETRIEVE-EMPLOYER-RECORD SECTION.

EXEC CICS RECEIVE

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

SET (COM-PANEL-PCINTER)

END-EXEC

IF PF KEY DENOTES ENTER NEW BIN

SET SSA TO BIN INPUT

CALL 'CBLTDLI' FOR GET UNIQUE TO RETRIEVE  
EMPLOYER SEGMENT

SET SSA TO BIN INPUT

CALL 'CBLTDLI' FOR GET UNIQUE TO POINT TO THE WANTED  
EMPLOYER RECORD

IF FOUND

FORMAT THE EMPLOYER INQUIRY SCREEN

PERFORM 9000-SEND-SCREEN

ELSE

SET MSG-LINE TO 'EMPLOYER DOES NOT EXIST'

SET COM-TRAN-ID TO PROGRAM TRANSACTION ID

SET COM-ACTIVE-PF KEYS TO 'ENTER NEW BIN'

'EXIT'

PERFORM 9000-SEND-SCREEN

ENDIF

ENDIF

IF PF KEY DENOTES EXIT

SET COM-TRAN-ID TO DRIVER PROGRAM TRANSACTION ID

ENDIF

PERFORM 9100-RETURN

9000-SEND-SCREEN SECTION.

EXEC CICS SEND

MAPSET (COM-PANEL-SET)

MAP (COM-PANEL)

FREEKB

ERASE

CURSOR

END-EXEC

9100-RETURN SECTION.

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

## PROGRAM DESCRIPTION

System: Coverage Author: DSMC  
Subsystem: Law 79, Private Sector Date f.c.: 06 August 1984  
Function: Local Office Date l.u.: 12 September 1984  
Transaction Processing  
Program: ECDP410-Batch Input Phase: 2  
Transaction Processing  
CICS Trans ID: D410

### Description:

The purpose of the Batch Input Transaction Processing Program is to provide for the entry of transactions provided by each local office into the Coverage Transaction Database. A record will be created in the Coverage Transaction Database for each transaction supplied by the local office with a status code indicating that the record is from the local office network, is ready for audit, and that it must be processed through all the appropriate edit checks.

The major functions of this program are as follows:

A. Upon this program's initialization from the Coverage System, the local office file will be opened.

B. As each record is read, a control number will be obtained from the Control Database which becomes the Transaction Number for this record. The Control Number is incremented by one and replaced in the Control Database.

C. The record is written to the Coverage Transaction Database with a status code reflecting the status of the data. This status codes is:

41 - Record ready for Audit; Must be re-edited

D. Upon end of file, control will be returned to the Coverage System Driver.

The inputs for this program will be the communications area data (established in the Coverage system driver, the Control Database, and the local office file. The outputs from this program will be the Communications Area (provided to the Coverage System Driver), records on the Coverage Transaction Database, and the modified record in the Control Database.

**INPUTS:**

**Files:** Coverage Transaction, Control Databases

**Screens:** None

**Reports:** None

**Documents:** None

**Communications Area:** CICS Communications Area

**OUTPUTS:**

**Files:** Coverage Transaction, Control Databases

**Screens:** None

**Reports:** None

**Documents:** None

**Communications Area:** CICS Communications Area

**INTERFACE:**

**Invoked by:** Coverage Driver

**Transfers to:** Coverage Driver

**STANDARD MODULES:**

**Name:** None

**Function:** None

PROCESSING LOGIC:

ACCEPT BATCH INPUT CONTROL FILE FOR LOCAL SELECTION

SET MORE-TRANS-FLAG TO YES

PERFORM 1000-GET-LOCAL-TRANSACTION

UNTIL MORE-TRANS-FLAG EQUAL NO

PERFORM 2000-RUN-STATISTICS

1000-GET-LOCAL-TRANSACTION SECTION.

READ LOCAL OFFICE FILE

IF NO MORE RECORDS ON LOCAL FILE

SET MORE-TRANS-FLAG TO NO

ELSE

PERFORM 1100-WRITE-COVERAGE-DATABASE

ENDIF

1100-WRITE-COVERAGE-DATABASE

GET CONTROL NUMBER FROM CONTROL DATABASE

SET COVERAGE STATUS CODE TO '41'

CALL 'CBLTDLI' TO INSERT A NEW COVERAGE TRANSACTION

DATABASE RECORD

INCREMENT CONTROL NUMBER BY 1

REPLACE CONTROL NUMBER IN CONTROL DATABASE

2000-RUN-STATISTICS SECTION.

DISPLAY RUN STATISTICS:

COUNT OF LOCAL TRANSACTION INPUT

COUNT OF COVERAGE TRANSACTION OUTPUT

PROGRAM DESCRIPTION FORM

System: Coverage Date f.c.: 7/31/84  
Subsystem: Law 79, Private Sector Date l.u.: 8/28/84  
Function: Batch Processing Phase: 2  
Program: ECDP420 - Archive Coverage Transactions  
CICS Trans ID: D420  
Author: SWB & JEL

Description:

The Archive Coverage Transaction program reads the Coverage Transaction Database for records that have been completed and are ready for removal from the active file. Those records are written to the Coverage Archive File and the corresponding record is deleted from the Coverage Transaction Database.

INPUTS:

Files: Archive Control Parameters, Coverage Transaction,  
Control Databases  
Screens: None  
Reports: None  
Documents: None

OUTPUTS:

Files: Coverage Archive File, Coverage Transaction, Control  
Control Databases  
Screens: None  
Reports: Coverage Archive Report (ECDP420)  
Documents: None

INTERFACE:

Invoked by: Operating System  
Transfers to: Operating System

STANDARD MODULES:

**Name: None**

**Function: None**

INSERT I/O DIAGRAM HERE

PROCESSING LOGIC:

READ ARCHIVE-CONTROL-PARAMETER FILE  
FOR LAST-ACTIVITY-DATE-PARM  
CALL 'DATECEI' USING LAST-ACTIVITY-DATE-PARAM  
COMPARE-DATE-PARAM  
TO CONVERT DATE PARAM TO INTERNAL-FORMAT  
FORMAT SSA1 FOR  
STATUS-CODE EQUAL TO  
'19' OR '28' OR '29' OR '48' OR '49' OR 58'  
OR '59'  
AND STATUS-CHANGE-DATE LESS THAN  
OR EQUAL TO COMPARE-DATE-PARM  
SET MORE-TRANS-EXIST TO YES  
PERFORM 1000-PASS-TRANSACTION-DB  
UNTIL MORE-TRANS-EXIST = NO  
PERFORM 8000-RUN-STATISTICS  
STOP RUN

1000-PASS-TRANSACTION-PB

CALL 'CBLTDLI' FOR GET HOLD NEXT  
COVERAGE-TRANSACTION-RECORD  
WHICH SATISFIES SSA1.

IF NO MORE RECORDS ON DATABASE  
SET MORE-TRANS-EXIST TO NO

ELSE

PERFORM 2000-PRINT-REPORT  
PERFORM 3000-DELETE-TRAN  
PERFORM 1200-PRINT-AND-DELETE-RELATED

1200-PRINT-AND-DELETE-RELATED

```

IF RECORD-COUNT NOT EQUAL 9999
    SET MORE-WITH-SAME-TRAN-EXIST TO YES
    SET SSA3 TO COVERAGE-TRANSACTION-NBR
    PERFORM 1210-PRINT-AND-DELETE
        UNTIL MORE-WITH-SAME-TRAN-EXIST = NO
    ENDIF
1210-PRINT-AND-DELETE
    CALL 'CBLTDLI' FOR GET HOLD NEXT
        COVERAGE-TRANSACTION-RECORD
        EQUAL TO SS
    IF NONE FOUND
        SET MORE-WITH-SAME-TRAN-EXIST TO NO
    ELSE
        PERFORM 2000-PRINT-REPORT
        PERFORM 3000-DELETE-TRAN
    ENDIF
2000-PRINT-REPORT
    FORMAT PRINT-LINE FROM
        COVERAGE-TRANSACTION-RECORD
    WRITE PRINT-LINE
3000-DELETE-TRAN
    CALL 'CBLTDLI' FOR DELETE
        COVERAGE-TRANSACTION-RECORD
8000-RUN-STATISTICS
    DISPLAY RUN STATISTICS:
        COUNT OF ARCHIVED TRANSACTIONS

```

## PROGRAM DESCRIPTION

System: Coverage Author: DSMC  
Subsystem: Law 79, Private Sector Date f.c.: 06 August 1984  
Function: Eligibility Report Date l.u.: 14 September 1984  
Generation  
Program: ECDP510 - Eligibility Report Phase: 2

CICS Trans ID: D510

### Description:

The Eligibility Report Program will be executed in batch mode to print out the pertinent data for every individual who has been accepted for coverage under Law 79, Private Sector. The report will be generated for a date or range of dates as specified by the report criteria resident in the CICS Communications Area. After its initiation of the report, control will be returned to the Coverage System Driver.

### INPUTS:

Files: Table, Coverage Transaction Data Base  
Screens: None  
Reports: None  
Documents: None  
Communications Area: CICS Communications Area

### OUTPUTS:

Files: None  
Screens: None  
Reports: Eligibility Report  
Documents: None  
Communications Area: CICS Communications Area

### INTERFACE:

Invoked by: EC0P050 Coverage System Driver  
Transfers to: EC0P050 Coverage System Driver

**STANDARD MODULES:**

**Name: None**

**Function: None**

page for diagram

PROCESSING LOGIC

0000-MAINLINE.

PERFORM 1000-INITIALIZATION

PERFORM 2000-GET-REPORT-PARM

IF COM-REPORT-FLAG IS SET ON

PERFORM 1000-SORT-REPORT-FILE UNTIL END OF FILE

PERFORM 2000-WRITE-ELIGIBILITY-REPORT UNTIL END OF FILE

SET COM-REPORT-FLAG OFF

SET COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID

PERFORM 9000-BASIC-RETURN

ELSE (COM-REPORT-FLAG IS OFF)

SET COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID

PERFORM 9000-BASIC-RETURN

ENDIF

1000-SORT-REPORT-FILE SECTION.

SET SSA TO REPORT PARM

CALL 'CBLTDLI' USING GET FUNCTION TO SELECT RECORD TO BE  
REPORTED FROM THE COVERAGE TRANSACTION DATABASE

IF FOUND

WRITE RECORD TO SORT FILE

ELSE

CALL 'CBLTDLI' TO GET NEXT RECORD

ENDIF

2000-WRITE ELIGIBILITY-REPORT SECTION.

MOVE CURRENT DATE TO THE RUN-REPORT-DATE

MOVE ELIGIBLE COVERAGE DATA FROM SORT AREA TO CORRESPONDING  
FIELDS IN THE PRINT AREA

WRITE THE PRINT-AREA RECORD

9000-BASIC-RETURN SECTION.

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

## PROGRAM DESCRIPTION

System: Coverage Author: DSMC  
Subsystem: Law 79, Private Sector Date f.c.: 06 August 1984  
Function: Termination Report Date l.u.: 14 September 1984  
Generation  
Program: ECDP520 - Termination Report Phase: 2  
CICS Trans ID: D520

### Description:

The Termination Report Program will be executed in batch mode to print out the pertinent data for every individual who has been terminated for coverage under Law 79, Private Sector. The report will be generated for a date or range of dates as specified by the report criteria resident in the CICS Communications Area. After its initiation of the report, control will be returned to the Coverage System Driver.

### INPUTS:

Files: Coverage Transaction, Table Database  
Screens: None  
Reports: None  
Documents: None  
Communications Area: CICS Communications Area

### OUTPUTS:

Files: None  
Screens: None  
Reports: Termination Report  
Documents: None  
Communications Area: CICS Communications Area

### INTERFACE

Invoked by: EC0P050 Coverage System Driver  
Transfers to: EC0P050 Coverage System Driver

**STANDARD MODULES:**

**Name: None**

**Function: None**

page for diagram

PROCESSING LOGIC

0000-MAINLINE.

```
IF COM-REPORT-FLAG IS SET ON
    PERFORM 1000-SORT-REPORT-FILE UNTIL END OF FILE
    PERFORM 1000-WRITE-TERMINATION-REPORT UNTIL END OF FILE
    SET COM-REPORT-FLAG OFF
    SET COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID
    PERFORM 9000-BASIC-RETURN
ELSE (COM-REPORT-FLAG IS OFF)
    SET COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID
    PERFORM 9000-BASIC RETURN
ENDIF
```

1000-SORT-REPORT-FILE SECTION.

```
SET SSA TO REPORT PARM
CALL 'CBLTDLI' USING GET FUNCTION TO SELECT RECORD TO BE
    REPORTED FROM THE COVERAGE TRANSACTION DATABASE
IF FOUND
    WRITE RECORD TO SORT FILE
ELSE
    CALL 'CBLTDLI' TO GET NEXT RECORD
ENDIF
```

2000-WRITE-TERMINATION-REPORT SECTION.

```
MOVE CURRENT DATE TO THE RUN-REPORT-DATE
MOVE COVERAGE TERMINATION DATA FROM THE SORT AREA TO THE
    CORRESPONDING FIELDS IN THE PRINT AREA
WRITE THE PRINT-AREA RECORD
```

9000-BASIC--RETURN SECTION.

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

## PROGRAM DESCRIPTION

System: Coverage Author: DSMC  
Subsystem: Law 79, Private Sector Date f.c.: 06 August 1984  
Function: Daily Transaction Report Generation Date l.u.: 12 September 1984  
Program: ECDP530 - Daily Transaction Report Phase: 2

CICS Trans ID: D530

### Description:

The Daily Transaction Report Program will be executed in batch mode to print out the pertinent data for every individual who has initiated a transaction under Law 79, Private Sector. The report will be generated for a date or range of dates as specified by the report criteria resident in the CICS Communications Area. After its initiation of the report, control will be returned to the Coverage System Driver.

### INPUTS:

Files: Tables, Coverage Transaction Data Base  
Screens: None  
Reports: None  
Documents: None  
Communications Area: CICS Communications Area

### OUTPUTS:

Files: None  
Screens: None  
Reports: Daily Transaction Report  
Documents: None  
Communications Area: CICS Communications Area

### INTERFACE:

Invoked by: EC0P050 Coverage System Driver  
Transfers to: EC0P050 Coverage System Driver

**STANDARD MODULES:**

**Name: None**

**Function: None**

page for diagram

## PROCESSING LOGIC

### 0000-MAINLINE

```
PERFORM 1000-INITIALIZATION
PERFORM 2000-GET-REPORT-PARM
IF COM-REPORT-FLAG IS SET ON
    PERFORM 1000-SORT-REPORT-FILE UNTIL END OF FILE
    PERFORM 2000-WRITE-TRANSACTION-REPORT UNTIL END OF FILE
    SET COM-REPORT-FLAG OFF
    PERFORM 9000-BASIC RETURN
ELSE (COM-REPORT-FLAG IS OFF)
    SET COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID
    PERFORM 9000-BASIC-RETURN
ENDIF
```

### 1000-SORT-REPORT-FILE SECTION.

```
SET SSA TO REPORT PARM
CALL 'CBLTDLI' USING GET FUNCTION TO SELECT RECORD TO BE
    REPORTED FROM THE COVERAGE TRANSACTION DATABASE
IF FOUND
    WRITE RECORD TO SORT FILE
ELSE
    CALL 'CBLTDLI' TO GET NEXT RECORD
ENDIF
```

### 2000-WRITE-TRANSACTION-REPORT SECTION.

```
MOVE CURRENT DATE TO THE RUN-REPORT-DATE
MOVE ELIGIBLE TRANSACTION DATA FROM SORT AREA TO CORRESPONDING
    FIELDS IN THE PRINT AREA
WRITE THE PRINT-AREA RECORD
```

9000-BASIC-RETURN SECTION.

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

## PROGRAM DESCRIPTION

System: Coverage Author: DSMC  
Subsystem: Law 79, Private Sector Date f.c.: 06 August 1984  
Function: Daily Transaction Report Generation Date l.u.: 12 September 1984  
Program: ECDP540 - Local Office Report Phase: 2  
CICS Trans ID: D540

### Description:

The Local Office Report Program will be executed in batch mode to print out the pertinent data for every individual within a field office who has initiated a transaction under Law 79, Private Sector. The report will be generated for a date or range of dates as specified by the report criteria resident in the CICS Communications Area. After its initiation of the report, control will be returned to the Coverage System Driver.

### INPUTS:

Files: Tables, Coverage Transaction Data Base  
Screens: None  
Reports: None  
Documents: None  
Communications Area: CICS Communications Area

### OUTPUTS:

Files: None  
Screens: None  
Reports: Daily Transaction Report  
Documents: None  
Communications Area: CICS Communications Area

### INTERFACE:

Invoked by: EC0P050 Coverage System Driver  
Transfers to: EC0P050 Coverage System Driver

**STANDARD MODULES:**

**Name:** None

**Function:** None

page for diagram

PROCESSING LOGIC

0000-MAINLINE

PERFORM 1000-INITIALIZATION

PERFORM 2000-GET-REPORT-PARM

IF COM-REPORT-FLAG IS SET ON

PERFORM 1000-SORT-REPORT-FILE UNTIL END OF FILE

PERFORM 2000-WRITE-LOCAL-OFFICE-REPORT UNTIL END OF FILE

SET COM-REPORT-FLAG OFF

PERFORM 9000-BASIC RETURN

ELSE (COM-REPORT-FLAG IS OFF)

SET COVERAGE DRIVER TRANSACTION ID TO COM-TRAN-ID

PERFORM 9000-BASIC-RETURN

ENDIF

1000-SORT-REPORT-FILE SECTION.

SET SSA TO REPORT PARM

CALL 'CBLTDLI' USING GET FUNCTION TO SELECT RECORD TO BE  
REPORTED FROM THE COVERAGE TRANSACTION DATABASE

IF FOUND

WRITE RECORD TO SORT FILE

ELSE

CALL 'CBLTDLI' TO GET NEXT RECORD

ENDIF

2000-WRITE-LOCAL-OFFICE-REPORT SECTION.

MOVE CURRENT DATE TO THE RUN-REPORT-DATE

MOVE ELIGIBLE TRANSACTION DATA FROM SORT AREA TO CORRESPONDING  
FIELDS IN THE PRINT AREA

WRITE THE PRINT-AREA RECORD

9000-BASIC-RETURN SECTION.

EXEC CICS RETURN

TRANSID (COM-TRAN-ID)

COMMAREA (DFHCOMMAREA-W)

LENGTH (COM-LENGTH)

END-EXEC

INPUT' DOCUMENT DESCRIPTION FORM

System: Coverage

Subsystem: Law 79 Private Seccor      Date f.c.: 7/31/84

Function:      Date l.u.: 9/16/84

Document Name: Coverage Application      Phase: 2

Document ID: Form 1

Description:

This document is used to enroll an individual in Law 79 Public Sector.

Format Type: Input Document

Users: SIO, PIO

Input Frequency: Daily

Input Volume:

Comments:

Reference Data  
Number

|    |                     |              |
|----|---------------------|--------------|
| 1  | - REGION NAME       | PIC X(15)    |
| 2  | - LOCAL OFFICE NAME | PIC X(15)    |
| 3  | - UNIT NAME         | PIC X(15)    |
| 4  | - SIN               | PIC 9(09)    |
| 5  | - NAME              | PIC X(40)    |
| 6  | - OCCUPATION DESC.  | PIC X(15)    |
| 7  | - APPLICATION DATE  | PIC X(10)    |
| 8  | - OCCUPATION DATE   | PIC X(10)    |
| 9  | - MONTHLY SALARY    | PIC 9(03)V99 |
| 10 | - MONTHLY INCENTIVE | PIC 9(03)V99 |
| 11 | - EMPLOYER BIN      | PIC 9(09)    |
| 12 | - EMPLOYER SECTOR   | PIC X(10)    |
| 13 | - EMPLOYER NAME     | PIC X(40)    |
| 14 | - RETIREMENT AGE    | PIC 9(02)    |
| 15 | - EMPLOYER RELATION | PIC 9(01)    |

INPUT DOCUMENT DESCRIPTION FORM

System: Coverage

Subsystem: Law 79 Private Sector

Date f.c.: 7/31/84

Function:

Date l.u.: 9/16/84

Document Name: Coverage Application  
Change

Phase: 2

Document ID: Form 173

Description:

This document allows for changes in an individual's coverage record.

Format Type: Input Document

Users: STO, PIO

Input Frequency: Daily

Input Volume:

Comments:

Reference Data  
Number

|    |  |              |
|----|--|--------------|
| 1  | - REGION NAME                                  | PIC X(15)    |
| 2  | - LOCAL OFFICE NAME                            | PIC X(15)    |
| 3  | - UNIT NAME                                    | PIC X(15)    |
| 4  | - SIN  | PIC 9(09)    |
| 5  | - NAME   | PIC X(40)    |
| 6  | - OCCUPATION DESC.                             | PIC X(15)    |
| 7  | - ADDRESS<br>(BUILDING NUMBER AND STREET NAME) | PIC X(35)    |
| 8  | - POLICE GOVERNATE                             | PIC 9(02)    |
| 9  | - GOVERNATE NAME                               | PIC X(15)    |
| 10 | - POLICE STATION                               | PIC 9(02)    |
| 11 | - POLICE STA. NAME                             | PIC X(15)    |
| 12 | - POLICE UNIT                                  | PIC 9(02)    |
| 13 | - POLICE UNIT NAME                             | PIC X(15)    |
| 14 | - APPLICATION DATE                             | PIC X(10)    |
| 15 | -- MONTHLY SALARY                              | PIC 9(03)V99 |
| 16 | - MONTHLY INCENTIVE                            | PIC 9(03)V99 |
| 17 | - EMPLOYER BIN                                 | PIC 9(09)    |
| 18 | - EMPLOYER NAME                                | PIC X(40)    |
| 19 | - RETIREMENT AGE                               | PIC 9(02)    |
| 20 | - WORK EXTENSION<br>DECREE NUMBER              | PIC 9(05)    |
| 21 | - WORK EXT. DATE                               | PIC X(10)    |
| 22 | - WORK EXT. MONTHS                             | PIC 9(02)    |
| 23 | - EMPLOYER RELATION                            | PIC 9(01)    |

INPUT DOCUMENT DESCRIPTION FORM

System: Coverage

Subsystem: Law 79 Private Sector      Date f.c.: 7/31/84

Function:      Date l.u.: 9/16/84

Document Name: Coverage Termination      Phase: 2

Document ID: Form 6

Description:

This document is used terminate a covered individual from Law 79 Public Sector.

Format Type: Input Document

Users: SIO, PIO

Input Frequency: Daily

Input Volume:

Comments:

| Referen<br>Number | Data                |           |
|-------------------|---------------------|-----------|
| 1                 | - REGION NAME       | PIC X(15) |
| 2                 | - LOCAL OFFICE NAME | PIC X(15) |
| 3                 | - UNIT NAME         | PIC X(15) |
| 4                 | - SIN               | PIC 9(09) |
| 5                 | - NAME              | PIC X(40) |
| 6                 | - TERMINATION DATE  | PIC X(10) |
| 7                 | - TERMINATION DESC. | PIC X(15) |
| 8                 | - TERM. FORM DATE   | PIC X(10) |
| 9                 | - EMPLOYER BIN      | PIC 9(09) |
| 10                | - EMPLOYER NAME     | PIC X(40) |

INPUT DOCUMENT DESCRIPTION FORM

System: Coverage

Subsystem: Law 79 Private Sector

Date f.c.: 7/31/84

Function:

Date l.u.: 9/16/84

Document Name: Purchase Period  
Application

Phase: 2

Document ID: Form 1

Description:

This document allows a covered individual to apply for purchasing a past uncovered or suspended period.

Format Type: Input Document

Users: SIO, PIO

Input Frequency:

Input Volume:

Comments:

| Referen<br>Number | Data                |           |
|-------------------|---------------------|-----------|
| 1                 | - REGION NAME       | PIC X(15) |
| 2                 | - LOCAL OFFICE NAME | PIC X(15) |
| 3                 | - UNIT NAME         | PIC X(15) |
| 4                 | - SIN               | PIC 9(09) |
| 5                 | - NAME              | PIC X(40) |
| 6                 | - APPLICATION DATE  | PIC X(10) |
| 11                | - EMPLOYER BIN      | PIC 9(09) |
| 13                | - EMPLOYER NAME     | PIC X(40) |
| 14                | - PERIOD START DATE | PIC X(10) |
| 15                | - PERIOD END DATE   | PIC X(10) |

INPUT DOCUMENT DESCRIPTION FORM

System: Coverage

Subsystem: Law 79 Private Sector      Date f.c.: 7/31/84

Function:      Date l.u.: 9/16/84

Document Name: Coverage Upgrade      Phase: 2  
Application

Document ID:

Description:

This document allows a covered individual to upgrade a prior covered period.

Format Type: Input Document

Users: SIO, PIO

Input Frequency:

Input Volume:

Comments:

| Referen<br>Number | Data                 |              |
|-------------------|----------------------|--------------|
| 1                 | - REGION NAME        | PIC X(15)    |
| 2                 | - LOCAL OFFICE NAME  | PIC X(15)    |
| 3                 | - UNIT NAME          | PIC X(15)    |
| 4                 | - SIN                | PIC 9(09)    |
| 5                 | - NAME               | PIC X(40)    |
| 7                 | - APPLICATION DATE   | PIC X(10)    |
| 9                 | - BASE PERIOD SALARY | PIC 9(03)V99 |
| 11                | - EMPLOYER BIN       | PIC 9(09)    |
| 13                | - EMPLOYER NAME      | PIC X(40)    |
| 14                | - PERIOD START DATE  | PIC X(10)    |

SCREEN DESCRIPTION

System: Coverage

Subsystem: Law 79 Private Sector      Date f.c.: 7/31/84

Function:      Date l.u.: 9/16/84

Screen Name: Coverage Functions      Phase: 2

Screen ID:

Description:

This screen enables the Data Entry Clerk to select the appropriate application for data capture.

User: Data Entry Clerk

Type:

Document Name:

Hard Copy: No

Comments:

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM

COVERAGE SUBSYSTEM

--/---/----

F U N C T I O N S

P F KEY

COVERAGE APPLICATION

1

MODIFY COVERAGE DATA

2

COVERAGE TERMINATION

3

PURCHASE PERIODS

4

UPGRADE PERIODS

5

COVERAGE INQUIRY

6

RETURN TO COVERAGE MENU

7

RETURN TO MAIN MENU

8

-----

## SCREEN DESCRIPTION

System: Coverage

Subsystem: Law 79 Private Sector      Date f.c.: 7/31/84

Function:      Date l.u.: 9/16/84

Screen Name: Coverage Application      Phase: 2

Screen ID:

Description:

This screen is used to capture the data necessary to establish an individual on the Coverage Database. The entered data will be edited and the fields found to be in error will be highlighted. The data entry clerk will then be able to make the necessary changes.

User: Data Entry Clerk

Type: Document Entry

Document Name: Coverage Application (Form 1)

Hard Copy: No

Comments:

| Reference Number | Data Name                                    |              | Notes             |
|------------------|--|--------------|-------------------|
| 1                | - REGION CODE                                | PIC 9(02)    | DISPLAY PIC X(5)  |
| 2                | - REGION NAME                                | PIC X(15)    | DISPLAY N/A       |
| 3                | - LOCAL OFFICE CODE                          | PIC 9(02)    | DISPLAY PIC x(4)  |
| 4                | LOCAL OFFICE NAME                            | PIC X(15)    | DISPLAY N/A       |
| 5                | UNIT CODE                                    | PIC 9(02)    | DISPLAY PIC X(4)  |
| 6                | UNIT NAME                                    | PIC X(15)    | DISPLAY N/A       |
| 7                | SIN  | PIC 9(09)    | DISPLAY PIC X(14) |
| 8                | NAME   | PIC X(40)    | DISPLAY PIC X(4)  |
| 9                | OCCUPATION CODE                              | PIC 9(05)    | DISPLAY PIC X(14) |
| 10               | OCCUPATION DESC.                             | PIC X(15)    | DISPLAY N/A       |
| 11               | ADDRESS<br>(BUILDING NUMBER AND STREET NAME) | PIC X(35)    | DISPLAY PIC X(07) |
| 12               | POLICE GOVERNATE                             | PIC 9(02)    | DISPLAY PIC X(??) |
| 13               | GOVERNATE NAME                               | PIC X(15)    | DISPLAY N/A       |
| 14               | POLICE STATION                               | PIC 9(02)    | DISPLAY PIC X(??) |
| 15               | POLICE STA. NAME                             | PIC X(15)    | DISPLAY N/A       |
| 16               | POLICE UNIT                                  | PIC 9(02)    | DISPLAY PIC X(??) |
| 19               | POLICE UNIT NAME                             | PIC X(15)    | DISPLAY N/A       |
| 20               | APPLICATION DATE                             | PIC X(10)    | ENTER PIC X(11)   |
| 21               | OCCUPATION DATE                              | PIC X(10)    | ENTER PIC X(13)   |
| 22               | MONTHLY SALARY                               | PIC 9(03)V99 | ENTER PIC X(12)   |
| 23               | MONTHLY INCENTIVE                            | PIC 9(03)V99 | ENTER PIC X(12)   |
| 24               | CONTRIBUTION CODE                            | PIC 9(02)    | ENTER PIC X(11)   |
| 25               | EMPLOYER BIN                                 | PIC 9(09)    | ENTER PIC X(11)   |
| 26               | EMPLOYER SECTOR                              | PIC X(10)    | DISPLAY PIC X(6)  |
| 27               | EMPLOYER NAME                                | PIC X(40)    | DISPLAY PIC X(11) |

|    |                    |           |         |           |
|----|--------------------|-----------|---------|-----------|
| 28 | RETIREMENT AGE     | PIC 9(02) | DISPLAY | PIC X(10) |
| 29 | TRANSACTION NUMBER | PIC 9(09) | DISPLAY | PIC X(??) |
| 30 | EMPLOYER RELATION  | PIC 9(01) | ENTER   | PIC X(??) |





| Reference Number | Data Name                                    |              | Notes             |
|------------------|--|--------------|-------------------|
| 1                | - REGION CODE                                | PIC 9(02)    | DISPLAY PIC X(5)  |
| 2                | - REGION NAME                                | PIC X(15)    | DISPLAY N/A       |
| 3                | - LOCAL OFFICE CODE                          | PIC 9(02)    | DISPLAY PIC X(4)  |
| 4                | LOCAL OFFICE NAME                            | PIC X(15)    | DISPLAY N/A       |
| 5                | UNIT CODE                                    | PIC 9(02)    | DISPLAY PIC X(4)  |
| 6                | UNIT NAME                                    | PIC X(15)    | DISPLAY N/A       |
| 7                | SIN  | PIC 9(09)    | DISPLAY PIC X(14) |
| 8                | NAME   | PIC X(40)    | DISPLAY PIC X(4)  |
| 9                | OCCUPATION CODE                              | PIC 9(05)    | ENTER PIC X(14)   |
| 10               | OCCUPATION DESC.                             | PIC X(15)    | DISPLAY N/A       |
| 11               | ADDRESS<br>(BUILDING NUMBER AND STREET NAME) | PIC X(35)    | DISPLAY PIC X(07) |
| 12               | POLICE GOVERNATE                             | PIC 9(02)    | DISPLAY PIC X(??) |
| 13               | GOVERNATE NAME                               | PIC X(15)    | DISPLAY N/A       |
| 14               | POLICE STATION                               | PIC 9(02)    | DISPLAY PIC X(??) |
| 15               | POLICE STA. NAME                             | PIC X(15)    | DISPLAY N/A       |
| 16               | POLICE UNIT                                  | PIC 9(02)    | DISPLAY PIC X(??) |
| 17               | POLICE UNIT NAME                             | PIC X(15)    | DISPLAY N/A       |
| 18               | APPLICATION DATE                             | PIC X(10)    | ENTER PIC X(11)   |
| 19               | OCCUPATION DATE                              | PIC X(10)    | ENTER PIC X(13)   |
| 20               | MONTHLY SALARY                               | PIC 9(03)V99 | ENTER PIC X(12)   |
| 21               | MONTHLY INCENTIVE                            | PIC 9(03)V99 | ENTER PIC X(12)   |
| 22               | CONTRIBUTION CODE                            | PIC 9(02)    | ENTER PIC X(11)   |
| 23               | EMPLOYER BIN                                 | PIC 9(09)    | DISPLAY PIC X(11) |
| 24               | EMPLOYER SECTOR                              | PIC X(10)    | DISPLAY PIC X(6)  |
| 25               | EMPLOYER NAME                                | PIC X(40)    | DISPLAY PIC X(11) |

|    |                     |           |         |           |
|----|---------------------|-----------|---------|-----------|
| 26 | RETIREMENT AGE      | PIC 9(02) | ENTER   | PIC X(10) |
| 27 | TRANSACTION NUMBER  | PIC 9(09) | DISPLAY | PIC X(??) |
| 28 | WORK EXTENSION      |           |         |           |
|    | DECREE NUMBER       | PIC 9(05) | ENTER   | PIC X(??) |
| 29 | - WORK EXT. DATE    | PIC X(10) | ENTER   | PIC X(??) |
| 30 | - WORK EXT. MONTHS  | PIC 9(02) | ENTER   | PIC X(??) |
| 31 | - EMPLOYER RELATION | PIC 9(01) | ENTER   | PIC X(??) |

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM  
COVER APPL CHANGE    --/--/----

TRANSACTION NUM: \_\_\_\_\_ APPLICATION DATE: \_\_/\_\_/\_\_\_\_  
REGIO: \_\_\_\_\_ LOCA: \_\_\_\_\_ UNIT: \_\_\_\_\_  
SOCIAL INS NUM: \_\_\_\_\_ NAME: \_\_\_\_\_  
OCCUPATION CODE: \_\_\_\_\_ OCCUPAT. DTAE: \_\_/\_\_/\_\_\_\_  
ADDRESS: BLDG NR: \_\_\_\_\_ STREET: \_\_\_\_\_  
GVCODE: \_\_\_\_\_ PSCODE: \_\_\_\_\_ PUCODE: \_\_\_\_\_  
EMPLOY BIN: \_\_\_\_\_ EMPLOY NAME: \_\_\_\_\_  
EMP SEC: \_\_\_\_\_  
MONTHLY SALARY: \_\_\_\_\_ MONTHLY INCENT: \_\_\_\_\_ CONTRIB CODE: \_\_  
RETIR. AGE: \_\_ EMPLOY RELATION: \_\_  
WORK EXT DECREE NUM: \_\_\_\_\_ WORK EXT DT: \_\_/\_\_/\_\_\_\_ WORK EXT MONTHS: \_\_  
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ENTER KEY - PROCESS APPLICATION  
PF1 - REFRESH SCREEN  
PF2 - CANCEL APPLICATION  
F7 - COVERAGE SUBSYSTEM FUNCTIONS MENU  
PF8 - RETURN TO MAIN MENU

SCREEN DESCRIPTION

System: Coverage

Subsystem: Law 79 Private Sector Date f.c.: 7/31/84

Function: Date l.u.: 9/16/84

Screen Name: Coverage Termination Phase: 2

Screen ID:

Description:

This screen is used to capture the data necessary to terminate an individual from his current employer and to close his coverage period. The entered data will be edited and the fields found to be in error will be highlighted. The Data Entry Clerk will then be able to make the necessary changes.

User: Data Entry Clerk

Type: Document Entry

Document Name: Coverage Termination (Form 6)

Hard Copy: No

Comments:

| Reference Number | Data Name           |           | Notes             |
|------------------|---------------------|-----------|-------------------|
| 1                | - REGION CODE       | PIC 9(02) | DISPLAY PIC X(5)  |
| 2                | - REGION NAME       | PIC X(15) | DISPLAY N/A       |
| 3                | - LOCAL OFFICE CODE | PIC 9(02) | DISPLAY PIC x(4)  |
| 4                | LOCAL OFFICE NAME   | PIC X(15) | DISPLAY N/A       |
| 5                | UNIT CODE           | PIC 9(02) | DISPLAY PIC X(4)  |
| 6                | UNIT NAME           | PIC X(15) | DISPLAY N/A       |
| 7                | SIN                 | PIC 9(09) | DISPLAY PIC X(14) |
| 8                | NAME                | PIC X(40) | DISPLAY PIC X(4)  |
| 9                | TERMINATION DATE    | PIC X(10) | ENTER PIC X(19)   |
| 10               | TERMINATION REASON  | PIC 9(02) | ENTER PIC X(17)   |
| 11               | TERMINATION DESC.   | PIC X(15) | DISPLAY PIC X(??) |
| 12               | TERM. FORM DATE     | PIC X(10) | ENTER PIC X(20)   |
| 13               | EMPLOYER BIN        | PIC 9(09) | DISPLAY PIC X(11) |
| 14               | EMPLOYER NAME       | PIC X(40) | DISPLAY PIC X(11) |
| 15               | EMPLOYER SECTOR     | PIC X(10) | DISPLAY PIC X(06) |
| 16               | TRANSACTION NUMBER  | PIC 9(09) | DISPLAY PIC X(??) |

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM  
COVER TERMINATION    \_\_/\_\_/\_\_

TRANSACTION NUM: \_\_\_\_\_  
REGIO: \_\_\_\_\_ LOCA: \_\_\_\_\_ UNIT: \_\_\_\_\_  
SOCIAL INS NUM: \_\_\_\_\_ NAME: \_\_\_\_\_  
EMPLOY BIN: \_\_\_\_\_ EMPLOY NAME: \_\_\_\_\_  
EMP SEC: \_\_\_\_\_  
TERM. FORM DATE: \_\_/\_\_/\_\_                      TERMINATION DATE: \_\_/\_\_/\_\_  
TERM REASON CODE: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- ENTER KEY - PROCESS APPLICATION
- PF1 - REFRESH SCREEN
- PF2 - CANCEL APPLICATION
- PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
- PF8 - RETURN TO MAIN MENU

SCREEN DESCRIPTION

System: Coverage  
Subsystem: Law 79 Private Sector      Date f.c.: 7/31/84  
Function:                                      Date l.u.: 9/16/84  
Screen Name: Purchase Period              Phase: 2  
                  Application  
Screen ID:

Description:

This screen is used to capture the data necessary for an individual to purchase a past uncovered period or a suspended period. The entered data will be edited, and the fields found to be in error will be highlighted. The Data Entry Clerk will then be able to make the necessary changes.

User: Data Entry Clerk  
Type: Document Entry  
Document Name: Purchase Period Application  
Hard Copy: No

Comments:

| Reference Number | Data Name           |              | Notes             |
|------------------|---------------------|--------------|-------------------|
| 1                | - REGION CODE       | PIC 9(02)    | DISPLAY PIC X(5)  |
| 2                | - REGION NAME       | PIC X(15)    | DISPLAY N/A       |
| 3                | - LOCAL OFFICE CODE | PIC 9(02)    | DISPLAY PIC X(4)  |
| 4                | LOCAL OFFICE NAME   | PIC X(15)    | DISPLAY N/A       |
| 5                | UNIT CODE           | PIC 9(02)    | DISPLAY PIC X(4)  |
| 6                | UNIT NAME           | PIC X(15)    | DISPLAY N/A       |
| 7                | SIN                 | PIC 9(09)    | DISPLAY PIC X(14) |
| 8                | NAME                | PIC X(40)    | DISPLAY PIC X(4)  |
| 9                | OCCUPATION CODE     | PIC 9(05)    | DISPLAY PIC X(14) |
| 10               | DATE OF BIRTH       | PIC X(10)    | DISPLAY X(12)     |
| 11               | APPLICATION DATE    | PIC X(10)    | ENTER PIC X(11)   |
| 12               | OCCUPATION DATE     | PIC X(10)    | DISPLAY PIC X(13) |
| 13               | CURRENT MNTHLY SAL  | PIC 9(03)V99 | DISPLAY PIC X(12) |
| 14               | EMPLOYER BIN        | PIC 9(02)    | DISPLAY PIC X(11) |
| 15               | EMPLOYER NAME       | PIC X(40)    | DISPLAY X(11)     |
| 16               | PERIOD START DATE   | PIC X(10)    | ENTER PIC X(??)   |
| 17               | PERIOD END DATE     | PIC X(10)    | ENTER PIC X(??)   |
| 18               | PURCHASE AMOUNT     | PIC 9(05)V99 | DISPLAY PIC X(??) |
| 19               | INSTALL PAYMENT     | PIC 9(03)V99 | DISPLAY PIC X(??) |
| 20               | LOAN PAYMENT        | PIC 9(03)V99 | DISPLAY PIC X(??) |
| 21               | ACCEPTANCE CODE     | PIC 9(02)    | ENTER PIC X(??)   |
| 22               | PAYMENT DATE        | PIC X(10)    | ENTER PIC X(??)   |
| 23               | TRANSACTION NUMBER  | PIC 9(09)    | DISPLAY PIC X(??) |

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM  
PURCHASE PERIOD APPLICATION /\_\_\_/\_\_\_

TRANSACTION NUM: \_\_\_\_\_ APPLIC DATE: \_\_/\_\_/\_\_\_ OCCUP DATE: \_\_/\_\_/\_\_\_

REGIO: \_\_\_\_\_ LOCA: \_\_\_\_\_ UNIT: \_\_\_\_\_

SOCIAL INS NUM: \_\_\_\_\_ NAME: \_\_\_\_\_

EMPLOY BIN: \_\_\_\_\_ EMPLOY NAME: \_\_\_\_\_

BIRTH DATE: \_\_/\_\_/\_\_\_ MONTHLY SALARY: \_\_\_\_ . \_\_\_\_ PURCHASE AMT: \_\_\_\_ . \_\_\_\_

INSTALL PAYMENT: \_\_\_\_ . \_\_\_\_ LOAN PAYMENT: \_\_\_\_ . \_\_\_\_ ACCEPTANCE CODE: \_\_\_\_

PERIOD START DT: \_\_/\_\_/\_\_\_ PERIOD END DT: \_\_/\_\_/\_\_\_ PAY DT: \_\_/\_\_/\_\_\_

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- ENTER KEY - PROCESS APPLICATION
- PF1 - REFRESH SCREEN
- PF2 - CANCEL APPLICATION
- PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
- PF8 - RETURN TO MAIN MENU



| Reference Number | Data Name           |              | Notes             |
|------------------|---------------------|--------------|-------------------|
| 1                | - REGION CODE       | PIC 9(02)    | DISPLAY PIC X(5)  |
| 2                | - REGION NAME       | PIC X(15)    | DISPLAY N/A       |
| 3                | - LOCAL OFFICE CODE | PIC 9(02)    | DISPLAY PIC X(4)  |
| 4                | LOCAL OFFICE NAME   | PIC X(15)    | DISPLAY N/A       |
| 5                | UNIT CODE           | PIC 9(02)    | DISPLAY PIC X(4)  |
| 6                | UNIT NAME           | PIC X(15)    | DISPLAY N/A       |
| 7                | SIN                 | PIC 9(09)    | DISPLAY PIC X(14) |
| 8                | NAME                | PIC X(40)    | DISPLAY PIC X(4)  |
| 9                | DATE OF BIRTH       | PIC X(10)    | DISPLAY PIC X(12) |
| 10               | APPLICATION DATE    | PIC X(10)    | ENTER PIC X(11)   |
| 11               | OCCUPATION DATE     | PIC X(10)    | DISPLAY PIC X(13) |
| 12               | BASE PERIOD SALARY  | PIC 9(03)V99 | DISPLAY PIC X(12) |
| 13               | EMPLOYER BIN        | PIC 9(09)    | DISPLAY PIC X(11) |
| 14               | EMPLOYER NAME       | PIC X(40)    | DISPLAY PIC X(11) |
| 15               | PERIOD START DATE   | PIC X(10)    | DISPLAY PIC X(??) |
| 16               | PERIOD END DATE     | PIC X(10)    | DISPLAY PIC X(??) |
| 17               | PURCHASE AMOUNT     | PIC 9(05)V99 | DISPLAY PIC X(??) |
| 18               | INSTALL PAYMENT     | PIC 9(03)V99 | DISPLAY PIC X(??) |
| 19               | LOAN PAYMENT        | PIC 9(03)V99 | DISPLAY PIC X(??) |
| 20               | PAYMENT DATE        | PIC X(10)    | ENTER PIC X(??)   |
| 21               | ACCEPTANCE CODE     | PIC 9(02)    | ENTER PIC X(??)   |
| 22               | TRANSACTION NUMBER  | PIC 9(09)    | DISPLAY PIC X(??) |

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM  
COVERAGE UPGRADE APPLICATION \_\_/\_\_/\_\_\_\_

TRANSACTION NUM: \_\_\_\_\_ APPLIC DATE: \_\_/\_\_/\_\_\_\_ OCCUP DATE: \_\_/\_\_/\_\_\_\_  
REGIO: \_\_\_\_\_ LOCA: \_\_\_\_\_ UNIT: \_\_\_\_\_  
SOCIAL INS NUM: \_\_\_\_\_ NAME: \_\_\_\_\_  
EMPLOY BIN: \_\_\_\_\_ EMPLOY NAME: \_\_\_\_\_  
BIRTH DATE: \_\_/\_\_/\_\_\_\_ PRD START DT: \_\_/\_\_/\_\_\_\_ PRD END DT: \_\_/\_\_/\_\_\_\_  
BASE PERIOD SALARY: \_\_\_\_.\* PURCHASE AMT: \_\_\_\_.\* INSTALL PAYMENT: \_\_\_\_.\*  
LOAN PAYMENT: \_\_\_\_.\* PAYMENT DATE: \_\_/\_\_/\_\_\_\_ ACCEPTANCE CODE: \_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ENTER KEY - PROCESS APPLICATION  
PF1 - REFRESH SCREEN  
PF2 - CANCEL APPLICATION  
PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU  
PF8 - RETURN TO MAIN MENU



| Reference Number | Data Name                                    |              | Notes              |
|------------------|--|--------------|--------------------|
| 1                | - REGION CODE                                | PIC 9(02)    | DISPLAY PIC X(5)   |
| 2                | - REGION NAME                                | PIC X(15)    | DISPLAY N/A        |
| 3                | - LOCAL OFFICE CODE                          | PIC 9(02)    | DISPLAY PIC X(4)   |
| 4                | LOCAL OFFICE NAME                            | PIC X(15)    | DISPLAY N/A        |
| 5                | UNIT CODE                                    | PIC 9(02)    | DISPLAY PIC X(4)   |
| 6                | UNIT NAME                                    | PIC X(15)    | DISPLAY N/A        |
| 7                | SIN  | PIC 9(09)    | DISPLAY PIC X(14)  |
| 8                | NAME   | PIC X(40)    | DISFLAY PIC X(4)   |
| 9                | OCCUPATION CODE                              | PIC 9(05)    | DSP/ENTR PIC X(14) |
| 10               | OCCUPATION DESC.                             | PIC X(15)    | DISPLAY N/A        |
| 11               | ADDRESS<br>(BUILDING NUMBER AND STREET NAME) | PIC X(35)    | DISPLAY PIC X(07)  |
| 12               | POLICE GOVERNATE                             | PIC 9(02)    | DISPLAY PIC X(??)  |
| 13               | GOVERNATE NAME                               | PIC X(15)    | DISPLAY N/A        |
| 14               | POLICE STATION                               | PIC 9(02)    | DISPLAY PIC X(??)  |
| 15               | POLICE STA. NAME                             | PIC X(15)    | DISPLAY N/A        |
| 16               | POLICE UNIT                                  | PIC 9(02)    | DISPLAY PIC X(??)  |
| 17               | POLICE UNIT NAME                             | PIC X(15)    | DISPLAY N/A        |
| 18               | APPLICATION DATE                             | PIC X(10)    | DSP/ENTR PIC X(11) |
| 19               | OCCUPATION DATE                              | PIC X(10)    | DSP/ENTR PIC X(13) |
| 20               | MONTHLY SALARY                               | PIC 9(03)V99 | DSP/ENTR PIC X(12) |
| 21               | MONTHLY INCENTIVE                            | PIC 9(03)V99 | DSP/ENTR PIC X(12) |
| 22               | CONTRIBUTION CODE                            | PIC 9(02)    | DSP/ENTR PIC X(11) |
| 23               | EMPLOYER BIN                                 | PIC 9(09)    | DSP/ENTR PIC X(11) |
| 24               | EMPLOYER SECTOR                              | PIC X(10)    | DISPLAY PIC X(6)   |
| 25               | EMPLOYER NAME                                | PIC X(40)    | DISPLAY PIC X(11)  |

|    |                    |           |          |           |
|----|--------------------|-----------|----------|-----------|
| 26 | RETIREMENT AGE     | PIC 9(02) | DISPLAY  | PIC X(10) |
| 27 | TRANSACTION NUMBER | PIC 9(09) | DISPLAY  | PIC X(??) |
| 28 | EMPLOYER RELATION  | PIC 9(01) | DSP/ENTR | PIC X(??) |

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM  
AUDIT COVER APPLI                    \_\_/\_\_/\_\_

TRANSACTION NUM: \_\_\_\_\_ APPLICATION DATE: \_\_/\_\_/\_\_

REGIO: \_\_\_\_\_ LOCA: \_\_\_\_\_ UNIT: \_\_\_\_\_

SOCIAL INS NUM: \_\_\_\_\_ NAME: \_\_\_\_\_

OCCUPATION CODE: \_\_\_\_\_ OCCUPAT. DTAE: \_\_/\_\_/\_\_

ADDRESS: BLDG NR: \_\_\_\_\_ STREET: \_\_\_\_\_

GVCODE: \_\_\_\_\_ PSCODE: \_\_\_\_\_ PUCODE: \_\_\_\_\_

EMPLOY BIN: \_\_\_\_\_ EMPLOY NAME: \_\_\_\_\_

EMP SEC: \_\_\_\_\_

MONTHLY SALARY: \_\_\_\_\_ MONTHLY INCENT: \_\_\_\_\_ CONTRIB CODE: \_\_

RETIR. AGE: \_\_ EMPLOY RELATION: \_\_

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- ENTER KEY - PROCESS APPLICATION
- PF1 - REFRESH SCREEN
- PF2 - CANCEL APPLICATION
- PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
- PF8 - RETURN TO MAIN MENU

## SCREEN DESCRIPTION

System: Coverage  
Subsystem: Law 79 Private Sector      Date f.c.: 7/31/84  
Function:                                      Date l.u.: 9/16/84  
Screen Name: Audit Coverage              Phase: 2  
                  Application Change  
Screen ID:

### Description:

This screen allows the Auditor to view the modifications entered by the Data Entry Clerk and to make any necessary changes to modify the screen. If no modification is needed, the Auditor can process the screen.

User: Auditor

Type: Document Entry, Change Screen

Document Name:

Hard Copy: No

Comments:

| Reference Number | Data Name                                    |              | Notes              |
|------------------|--|--------------|--------------------|
| 1                | - REGION CODE                                | PIC 9(02)    | DISPLAY PIC X(5)   |
| 2                | - REGION NAME                                | PIC X(15)    | DISPLAY N/A        |
| 3                | - LOCAL OFFICE CODE                          | PIC 9(02)    | DISPLAY PIC X(4)   |
| 4                | LOCAL OFFICE NAME                            | PIC X(15)    | DISPLAY N/A        |
| 5                | UNIT CODE                                    | PIC 9(02)    | DISPLAY PIC X(4)   |
| 6                | UNIT NAME                                    | PIC X(15)    | DISPLAY N/A        |
| 7                | SIN  | PIC 9(09)    | DISPLAY PIC X(14)  |
| 8                | NAME   | PIC X(40)    | DISPLAY PIC X(4)   |
| 9                | OCCUPATION CODE                              | PIC 9(05)    | DSP/ENTR PIC X(14) |
| 10               | OCCUPATION DESC.                             | PIC X(15)    | DISPLAY N/A        |
| 11               | ADDRESS<br>(BUILDING NUMBER AND STREET NAME) | PIC X(35)    | DISPLAY PIC X(07)  |
| 12               | POLICE GOVERNATE                             | PIC 9(02)    | DISPLAY PIC X(??)  |
| 13               | GOVERNATE NAME                               | PIC X(15)    | DISPLAY N/A        |
| 14               | POLICE STATION                               | PIC 9(02)    | DISPLAY PIC X(??)  |
| 15               | POLICE STA. NAME                             | PIC X(15)    | DISPLAY N/A        |
| 16               | POLICE UNIT                                  | PIC 9(02)    | DISPLAY PIC X(??)  |
| 17               | POLICE UNIT NAME                             | PIC X(15)    | DISPLAY N/A        |
| 18               | APPLICATION DATE                             | PIC X(10)    | DSP/ENTR PIC X(11) |
| 19               | OCCUPATION DATE                              | PIC X(10)    | DSP/ENTR PIC X(13) |
| 20               | MONTHLY SALARY                               | PIC 9(03)V99 | DSP/ENTR PIC X(12) |
| 21               | MONTHLY INCENTIVE                            | PIC 9(03)V99 | DSP/ENTR PIC X(12) |
| 22               | CONTRIBUTION CODE                            | PIC 9(02)    | DSP/ENTR PIC X(11) |
| 23               | EMPLOYER BIN                                 | PIC 9(09)    | DISPLAY PIC X(11)  |
| 24               | EMPLOYER SECTOR                              | PIC X(10)    | DISPLAY PIC X(6)   |
| 25               | EMPLOYER NAME                                | PIC X(40)    | DISPLAY PIC X(11)  |

|    |                    |           |          |           |
|----|--------------------|-----------|----------|-----------|
| 26 | RETIREMENT AGE     | PIC 9(02) | DSP/ENTR | PIC X(10) |
| 27 | TRANSACTION NUMBER | PIC 9(09) | DISPLAY  | PIC X(??) |
| 28 | EMPLOYER RELATION  | PIC 9(01) | ENTER    | PIC X(??) |
| 29 | WORK EXTENSION     |           |          |           |
|    | DECREE NUMBER      | PIC 9(05) | ENTER    | PIC X(??) |
| 30 | WORK EXT. DATE     | PIC X(10) | ENTER    | PIC X(??) |
| 31 | WORK EXT. MONTHS   | PIC 9(02) | ENTER    | PIC X(??) |
| 32 | EMPLOYER RELATION  | PIC 9(01) | ENTER    | PIC X(??) |

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM  
AUDIT COVER APPL CHANGE    --/--/----

TRANSACTION NUM: \_\_\_\_\_ APPLICATION DATE: \_\_/\_\_/\_\_\_\_  
REGIO: \_\_\_\_\_ LOCA: \_\_\_\_\_ UNIT: \_\_\_\_\_  
SOCIAL INS NUM: \_\_\_\_\_ NAME: \_\_\_\_\_  
OCCUPATION CODE: \_\_\_\_\_ OCCUPAT. DTAE: \_\_/\_\_/\_\_\_\_  
ADDRESS: BLDG NR: \_\_\_\_\_ STREET: \_\_\_\_\_  
GV CODE: \_\_\_\_\_ PSCODE: \_\_\_\_\_ PUCODE: \_\_\_\_\_  
EMPLOY BIN: \_\_\_\_\_ EMPLOY NAME: \_\_\_\_\_  
EMP SEC: \_\_\_\_\_  
MONTHLY SALARY: \_\_\_\_ . \_\_\_\_ MONTHLY INCENT: \_\_\_\_ . \_\_\_\_ CONTRIB CODE: \_\_\_\_  
RETIR. AGE: \_\_\_\_ EMPLOY RELATION: \_\_\_\_  
WORK EXT DECREE NUM: \_\_\_\_\_ WORK EXT DT: \_\_/\_\_/\_\_\_\_ WORK EXT MONTHS: \_\_\_\_

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- ENTER KEY - PROCESS APPLICATION
  - PF1 - REFRESH SCREEN
  - PF2 - CANCEL APPLICATION
  - PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
  - PF8 - RETURN TO MAIN MENU

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| Reference Number | Data Name           |           | Notes              |
|------------------|---------------------|-----------|--------------------|
| 1                | - REGION CODE       | PIC 9(02) | DISPLAY PIC X(5)   |
| 2                | - REGION NAME       | PIC X(15) | DISPLAY N/A        |
| 3                | - LOCAL OFFICE CODE | PIC 9(02) | DISPLAY PIC X(4)   |
| 4                | LOCAL OFFICE NAME   | PIC X(15) | DISPLAY N/A        |
| 5                | UNIT CODE           | PIC 9(02) | DISPLAY PIC X(4)   |
| 6                | UNIT NAME           | PIC X(15) | DISPLAY N/A        |
| 7                | SIN                 | PIC 9(09) | DISPLAY PIC X(14)  |
| 8                | NAME                | PIC X(40) | DISPLAY PIC X(4)   |
| 9                | TERMINATION DATE    | PIC 9(10) | DSP/ENTR PIC X(??) |
| 10               | TERMINATION REASON  | PIC 9(02) | DSP/ENTR PIC X(17) |
| 11               | TERMINATION DESC.   | PIC X(15) | DISPLAY PIC X(??)  |
| 12               | TERM. FORM DATE     | PIC X(10) | DSP/ENTR PIC X(20) |
| 13               | EMPLOYER BIN        | PIC 9(09) | DISPLAY PIC X(11)  |
| 14               | EMPLOYER NAME       | PIC X(40) | DISPLAY PIC X(11)  |
| 15               | EMPLOYER SECTOR     | PIC X(10) | DISPLAY PIC X(06)  |
| 16               | TRANSACTION NUMBER  | PIC 9(09) | DISPLAY PIC X(??)  |

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM  
AUDIT COVER TERMINATION    \_\_/\_\_/\_\_

TRANSACTION NUM: \_\_\_\_\_

REGIO: \_\_\_\_\_ LOCA: \_\_\_\_\_ UNIT: \_\_\_\_\_

SOCIAL INS NUM: \_\_\_\_\_ NAME: \_\_\_\_\_

EMPLOY BIN: \_\_\_\_\_ EMPLOY NAME: \_\_\_\_\_

EMP SEC: \_\_\_\_\_

TERM. FORM DATE: \_\_/\_\_/\_\_                      TERMINATION DATE: \_\_/\_\_/\_\_

TERM REASON CODE:    \_\_\_\_\_

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- ENTER KEY - PROCESS APPLICATION
- PF1 - REFRESH SCREEN
- PF2 - CANCEL APPLICATION
- PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU
- PF8 - RETURN TO MAIN MENU

## SCREEN DESCRIPTION

System: Coverage

Subsystem: Law 79 Private Sector      Date f.c.: 7/31/84

Function:      Date l.u.: 9/16/84

Screen Name: Audit Purchase Period      Phase: 2  
Application

Screen ID:

Description:

This screen allows the auditor to view the data captured by the Data Entry Clerk. After the auditor has reviewed the application and determined that no changes are required, he can then process the application. If changes are required he can modify the data and then process it.

User: Auditor

Type: Document Entry, Purchase Period Screen

Document Name:

Hard Copy: No

Comments:

| Reference Number | Data Name           |              | Notes              |
|------------------|---------------------|--------------|--------------------|
| 1                | - REGION CODE       | PIC 9(02)    | DISPLAY PIC X(5)   |
| 2                | - REGION NAME       | PIC X(15)    | DISPLAY N/A        |
| 3                | - LOCAL OFFICE CODE | PIC 9(02)    | DISPLAY PIC X(4)   |
| 4                | LOCAL OFFICE NAME   | PIC X(15)    | DISPLAY N/A        |
| 5                | UNIT CODE           | PIC 9(02)    | DISPLAY PIC X(4)   |
| 6                | UNIT NAME           | PIC X(15)    | DISPLAY N/A        |
| 7                | SIN                 | PIC 9(09)    | DISPLAY PIC X(14)  |
| 8                | NAME                | PIC X(40)    | DISPLAY PIC X(4)   |
| 9                | DATE OF BIRTH       | PIC X(10)    | DISPLAY PIC X(12)  |
| 10               | APPLICATION DATE    | PIC X(10)    | DSP/ENTR PIC X(11) |
| 11               | OCCUPATION DATE     | PIC X(10)    | DISPLAY PIC X(13)  |
| 12               | CURRENT MNTHLY SAL  | PIC 9(03)V99 | DISPLAY PIC X(12)  |
| 13               | EMPLOYER BIN        | PIC 9(09)    | DISPLAY PIC X(11)  |
| 14               | EMPLOYER NAME       | PIC X(40)    | DISPLAY PIC X(11)  |
| 15               | PERIOD START DATE   | PIC X(10)    | DSP/ENTR PIC X(??) |
| 16               | PERIOD END DATE     | PIC X(10)    | DSP/ENTR PIC X(??) |
| 17               | PURCHASE AMOUNT     | PIC 9(05)V99 | DISPLAY PIC X(??)  |
| 18               | INSTALL PAYMENT     | PIC 9(03)V99 | DISPLAY PIC X(??)  |
| 19               | LOAN PAYMENT        | PIC 9(03)V99 | DISPLAY PIC X(??)  |
| 20               | ACCEPTANCE CODE     | PIC 9(02)    | DSP/ENTR PIC X(??) |
| 21               | PAYMENT DATE        | PIC X(10)    | DSP/ENTR PIC X(??) |
| 22               | TRANSACTION NUMBER  | PIC 9(09)    | DISPLAY PIC X(??)  |

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM  
AUDIT PURCHASE PERIOD APPLICATION \_\_/\_\_/\_\_\_\_

TRANSACTION NUM: \_\_\_\_\_ APPLIC DATE: \_\_/\_\_/\_\_\_\_ OCCUP DATE: \_\_/\_\_/\_\_\_\_

REGIO: \_\_ \_\_\_\_\_ LOCA: \_\_ \_\_\_\_\_ UNIT: \_\_ \_\_\_\_\_

SOCIAL INS NUM: \_\_\_\_\_ NAME: \_\_\_\_\_

EMPLOY BIN: \_\_\_\_\_ EMPLOY NAME: \_\_\_\_\_

BIRTH DATE: \_\_/\_\_/\_\_\_\_ MONTHLY SALARY: \_\_\_\_ . \_\_\_\_ PURCHASE AMT: \_\_\_\_ . \_\_\_\_

INSTALL PAYMENT: \_\_\_\_ . \_\_\_\_ LOAN PAYMENT: \_\_\_\_ . \_\_\_\_ ACCEPTANCE CODE: \_\_

PERIOD START DT: \_\_/\_\_/\_\_\_\_ PERIOD END DT: \_\_/\_\_/\_\_\_\_ PAY DT: \_\_/\_\_/\_\_\_\_

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ENTER KEY - PROCESS APPLICATION  
PF1 - REFRESH SCREEN  
PF2 - CANCEL APPLICATION  
PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU  
PF8 - RETURN TO MAIN MENU

SCREEN DESCRIPTION

System: Coverage

Subsystem: Law 79 Private Sector      Date f.c.: 7/31/84

Function:      Date l.u.: 9/16/84

Screen Name: Audit Coverage Upgrade      Phase: 2  
Application

Screen ID:

Description:

This screen allows the Auditor to view the data captured by the Data Entry Clerk. After the Auditor has reviewed the application and determined that no changes are required, he can then process the application. If changes are required he can modify the data and then process it.

User: Auditor

Type: Document Entry, Coverage Upgrade Screen

Document Name:

Hard Copy: No

Comments:

| Reference Number | Data Name           |              | Notes              |
|------------------|---------------------|--------------|--------------------|
| 1                | - REGION CODE       | PIC 9(02)    | DISPLAY PIC X(5)   |
| 2                | - REGION NAME       | PIC X(15)    | DISPLAY N/A        |
| 3                | - LOCAL OFFICE CODE | PIC 9(02)    | DISPLAY PIC X(4)   |
| 4                | LOCAL OFFICE NAME   | PIC X(15)    | DISPLAY N/A        |
| 5                | UNIT CODE           | PIC 9(02)    | DISPLAY PIC X(4)   |
| 6                | UNIT NAME           | PIC X(15)    | DISPLAY N/A        |
| 7                | SIN                 | PIC 9(09)    | DISPLAY PIC X(14)  |
| 8                | NAME                | PIC X(40)    | DISPLAY PIC X(4)   |
| 9                | DATE OF BIRTH       | PIC X(10)    | DISPLAY PIC X(12)  |
| 10               | APPLICATION DATE    | PIC X(10)    | DSP/ENTR PIC X(11) |
| 11               | OCCUPATION DATE     | PIC X(10)    | DISPLAY PIC X(13)  |
| 12               | BASE PERIOD SALARY  | PIC 9(03)V99 | DISPLAY PIC X(12)  |
| 13               | EMPLOYER BIN        | PIC 9(09)    | DISPLAY PIC X(11)  |
| 14               | EMPLOYER NAME       | PIC X(40)    | DISPLAY PIC X(11)  |
| 15               | PERIOD START DATE   | PIC X(10)    | DISPLAY PIC X(??)  |
| 16               | PERIOD END DATE     | PIC X(10)    | DISPLAY PIC X(??)  |
| 19               | PURCHASE AMOUNT     | PIC 9(05)V99 | DISPLAY PIC X(??)  |
| 20               | INSTALL PAYMENT     | PIC 9(05)V99 | DISPLAY PIC X(??)  |
| 21               | LOAN PAYMENT        | PIC 9(05)V99 | DISPLAY PIC X(??)  |
| 22               | PAYMENT DATE        | PIC X(10)    | DSP/ENTR PIC X(??) |
| 23               | ACCEPTANCE CODE     | PIC 9(02)    | DSP/ENTR PIC X(??) |
| 24               | TRANSACTION NUMBER  | PIC 9(09)    | DISPLAY PIC X(??)  |

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM  
AUDIT COVERAGE UPGRADE APPLICATION \_\_/\_\_/\_\_\_\_

TRANSACTION NUM: \_\_\_\_\_ APPLIC DATE: \_\_/\_\_/\_\_\_\_ OCCUP DATE: \_\_/\_\_/\_\_\_\_  
REGIO: \_\_\_\_\_ LOCA: \_\_\_\_\_ UNIT: \_\_\_\_\_  
SOCIAL INS NUM: \_\_\_\_\_ NAME: \_\_\_\_\_  
EMPLOY BIN: \_\_\_\_\_ EMPLOY NAME: \_\_\_\_\_  
BIRTH DATE: \_\_/\_\_/\_\_\_\_ PRD START DT: \_\_/\_\_/\_\_\_\_ PRD END DT: \_\_/\_\_/\_\_\_\_  
BASE PERIOD SALARY: \_\_\_\_ . \_\_\_\_ PURCHASE AMT: \_\_\_\_ . \_\_\_\_ INSTALL PAYMENT: \_\_\_\_ . \_\_\_\_  
LOAN PAYMENT: \_\_\_\_ . \_\_\_\_ PAYMENT DATE: \_\_/\_\_/\_\_\_\_ ACCEPTANCE CODE: \_\_

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ENTER KEY - PROCESS APPLICATION  
PF1 - REFRESH SCREEN  
PF2 - CANCEL APPLICATION  
PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU  
PF8 - RETURN TO MAIN MENU

SCREEN DESCRIPTION

System: Coverage

Subsystem: Law 79 Private Sector      Date f.c.: 7/31/84

Function:      Date l.u.: 9/16/84

Screen Name: Inspection Result      Phase: 2

Screen ID:

Description:

This screen enables the Auditor to record the result of the inspection case assigned to an investigator.

User: Auditor

Type:

Document Name:

Hard Copy: No

Comments:

| Reference<br>Number | Data Name                 |           | Notes   |
|---------------------|---------------------------|-----------|---------|
| 1                   | - TRANSACTION NUMBER      | PIC 9(09) | DISPLAY |
| 2                   | - INSPECTION DATE         | PIC X(10) | DISPLAY |
| 3                   | - SIN                     | PIC 9(09) | DISPLAY |
| 4                   | - NAME                    | PIC X(40) | DISPLAY |
| 5                   | - INSPECTION RESULT CODE  | PIC 9(02) | ENTER   |
| 6                   | - INSPECTION RESULT DESC. | PIC X(15) | ENTER   |

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM

INSPECTION RESULT

\_\_/\_\_/\_\_

TRANSACTION NUM: \_\_\_\_\_

INSPECTION DATE: \_\_/\_\_/\_\_

SOCIAL INS NUM: \_\_\_\_\_ NAME: \_\_\_\_\_

INSPECTION RESULT: \_\_\_\_\_

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ENTER KEY - PROCESS RESULT  
PF1 - REFRESH SCREEN  
PF2 - CANCEL APPLICATION  
PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU  
PF8 - RETURN TO MAIN MENU

SCREEN DESCRIPTION

System: Coverage

Subsystem: Law 79 Private Sector      Date f.c.: 7/31/84

Function:      Date l.u.: 9/16/84

Screen Name: Inspection Assignment      Phase: 2

Screen ID:

Description:

This screen allows the Auditor to assign an inspector to investigate an application.

User: Auditor

Type: Screen

Document Name:

Hard Copy: No

Comments:

| Reference<br>Number | Data Name                 |           | Notes   |
|---------------------|---------------------------|-----------|---------|
| 1                   | - TRANSACTION NUMBER      | PIC 9(09) | DISPLAY |
| 2                   | - INSPECTION DATE         | PIC X(10) | ENTER   |
| 3                   | - SIN                     | PIC 9(09) | ENTER   |
| 4                   | - NAME                    | PIC X(40) | ENTER   |
| 5                   | - INSPECTION REASON CODE  | PIC 9(02) | ENTER   |
| 6                   | - INSPECTION REASON DESC. | PIC X(15) | DISPLAY |

SCREEN LAYOUT

AUTOMATED EGYPTIAN SOCIAL INSURANCE SYSTEM

INSPECTION ASSIGNMENT

\_\_\_/\_\_\_/\_\_\_

TRANSACTION NUM: \_\_\_\_\_

INSPECTION DATE: \_\_\_/\_\_\_/\_\_\_

SOCIAL INS NUM: \_\_\_\_\_ NAME: \_\_\_\_\_

INSPECTION REASON: \_\_\_\_\_

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ENTER KEY - PROCESS ASSIGNMENT  
PF1 - REFRESH SCREEN  
PF2 - CANCEL APPLICATION  
PF7 - COVERAGE SUBSYSTEM FUNCTIONS MENU  
PF8 - RETURN TO MAIN MENU

REPORT DESCRIPTION

System: Coverage Author: DSMC  
 Subsystem: Law 79, Private Sector Date f.c.: 10 September 1984  
 Function: Date l.u.: 10 September 1984  
 Report ID: ECDR510 Phase: 2  
 Report Name: Eligibility Report

Description:

This report provides a daily record of eligibility activity for the Coverage Transaction Database.

-----  
 Production:

| <u>Frequency</u> _____                 | <u>Medium</u> _____ | <u>Forms</u> _____ | <u>Volume</u> _____ |
|--|---------------------|--------------------|---------------------|
| ___ Daily                              | <u>_x_</u> Paper    | ID: ___            | Lines per page      |
| ___ Weekly                             | ___ Preprinted      | Type: ___          | Avg: ___            |
|  | Form                |                    |                     |
| ___ Bi-Weekly                          | ___ Other           | Size: ___          | Max:                |
| ___ Semi-Monthly                       | _____               | # of Plys: ___     | Pages per report    |
| ___ Monthly                            |                     |                    | Avg:                |
| ___ Quarterly                          |                     |                    | Max:                |
| ___ On Request                         |                     |                    |                     |
| <u>^Sx^S</u> ___ Other ___ Annual_____ |                     |                    |                     |

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|--------------------------|-----------------------|---------------------|-------------------------|
| Central Site             |                       | one (1)             | Status-Change-Date      |

-----  
 Sequence: Major: Status-Change-Date  
 Minor: Coverage-Transaction Number

Comments:

This is a daily report that will select any active record for the specific date.

REPORT DESCRIPTION

System: Coverage Author: DSMC  
Subsystem: Law 79, Private Sector Date f.c.: 10 September 1984  
Function: Date l.u.: 10 September 1984  
Report ID: ECDR520 Phase: 2  
Report Name: Termination Report  
Description:

This report provides a daily record of termination activity for the Coverage Transaction Database.

-----  
Production:

| Frequency                                 | Medium                                    | Forms            | Volume           |
|---|---|------------------|------------------|
| <input checked="" type="checkbox"/> Daily | <input checked="" type="checkbox"/> Paper | ID: _____        | Lines per page   |
| _____ Weekly                              | _____ Preprinted Form                     | Type: _____      | Avg: _____       |
| _____ Bi-Weekly                           | _____ Other                               | Size: _____      | Max:             |
| _____ Semi-Monthly                        | _____                                     | # of Plys: _____ | Pages per report |
| _____ Monthly                             | _____                                     |                  | Avg:             |
| _____ Quarterly                           | _____                                     |                  | Max:             |
| _____ On Request                          | _____                                     |                  |                  |
| _____ Other                               | _____                                     |                  |                  |

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Distribution:

| Area or Job Title | Location | Copies  | Page Break/Total   |
|-------------------|----------|---------|--------------------|
| Central Site      |          | one (1) | Status-Change-Date |

-----  
Sequence: Major: Status-Change-Date  
Minor: Coverage-Transaction Number

Comments:

This is a daily report that will select any active record for the specific date.

REPORT DESCRIPTION

System: Coverage Author: DSMC  
Subsystem: Law 79, Private Sector Date f.c.: 10 September 1984  
Function: Date l.u.: 10 September 1984  
Report ID: ECDR530 Phase: 2

Report Name: Daily Transaction Report

Description:

This report provides a record of daily transaction activity for the Coverage Transaction Database.

-----  
Production:

| <u>Frequency</u> -----                    | <u>Medium</u> -----                       | <u>Forms</u> ----- | <u>Volume</u> ----- |
|---|---|--------------------|---------------------|
| <input checked="" type="checkbox"/> Daily | <input checked="" type="checkbox"/> Paper | ID: ----           | Lines per page      |
| ---- Weekly                               | ---- Preprinted                           | Type: ----         | Avg: ----           |
|   | Form                                      |                    |                     |
| ---- Bi-Weekly                            | ---- Other                                | Size: ----         | Max:                |
| ---- Semi-Monthly                         | -----                                     | # of Plys: ----    | Pages per report    |
| ---- Monthly                              |   |                    | Avg: ----           |
| ---- Quarterly                            |   |                    | Max: ----           |
| ---- On Request                           |   |                    |                     |
| ---- Other                                | -----                                     |                    |                     |

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Distribution:

| <u>Area or Job Title</u> | <u>Location</u> ---- | <u>Copies</u> ---- | <u>Page Break/Total</u> |
|--------------------------|----------------------|--------------------|-------------------------|
| Central Site             |                      | one (1)            | Status-Change-Date      |

-----  
Sequence: Major: Status-Change-Date  
Minor: Coverage-Transaction Number

Comments:

This is a daily report that will select any active record for the specific date.

REPORT DESCRIPTION

System: Coverage Author: DSMC  
Subsystem: Law 79, Private Sector Date f.c.: 10 September 1984  
Function: Date l.u.: 10 September 1984  
Report ID: ECDR540 Phase: 2  
Report Name: Local Office Report

Description:

This report provides a record of daily transaction activity for each Local Office.

-----  
Production:

| <u>Frequency</u> -----                    | <u>Medium</u> -----                       | <u>Forms</u> ----- | <u>Volume</u> ----- |
|---|---|--------------------|---------------------|
| <input checked="" type="checkbox"/> Daily | <input checked="" type="checkbox"/> Paper | ID: ----           | Lines per page      |
| ---- Weekly                               | ---- Preprinted Form                      | Type: ----         | Avg: ----           |
| ---- Bi-Weekly                            | ---- Other                                | Size: ----         | Max:                |
| ---- Semi-Monthly                         | -----                                     | # of Plys: ----    | Pages per report    |
| ---- Monthly                              |   |                    | Avg: ----           |
| ---- Quarterly                            |   |                    | Max: ----           |
| ---- On Request                           |   |                    |                     |
| ---- Other                                | -----                                     |                    |                     |

-----  
Distribution:

| <u>Area or Job Title</u> | <u>Location</u> ----- | <u>Copies</u> ----- | <u>Page Break/Total</u> |
|--------------------------|-----------------------|---------------------|-------------------------|
| Local Office             |                       | one (1)             | Local Office            |

-----  
Sequence: Major: Local Office  
Minor: Status-Change-Date, Coverage-Transaction Number

Comments:

This is a daily report that will select any active record for each Local Office for a specific date.

REPORT DESCRIPTION

System: Coverage Author: DSMC  
Subsystem: Law 79, Private Sector Date f.c.: 10 September 1984  
Function: Date l.u.: 10 September 1984  
Report ID: ECDR550 Phase: 2  
Report Name: Inspection Report

Description:

This report provides a daily record of inspection activity for the Coverage Transaction Database.

-----  
Production:

| Frequency                                 | Medium                                    | Forms            | Volume           |
|---|---|------------------|------------------|
| <input checked="" type="checkbox"/> Daily | <input checked="" type="checkbox"/> Paper | ID: _____        | Lines per page   |
| _____ Weekly                              | _____ Preprinted Form                     | Type: _____      | Avg: _____       |
| _____ Bi-Weekly                           | _____ Other                               | Size: _____      | Max: _____       |
| _____ Semi-Monthly                        | _____                                     | # of Plys: _____ | Pages per report |
| _____ Monthly                             | _____                                     | _____            | Avg: _____       |
| _____ Quarterly                           | _____                                     | _____            | Max: _____       |
| _____ On Request                          | _____                                     | _____            | _____            |
| _____ Other                               | _____                                     | _____            | _____            |

-----  
Distribution:

| Area or Job Title | Location | Copies  | Page Break/Total   |
|-------------------|----------|---------|--------------------|
| Central Site      |          | one (1) | Status-Change-Date |

-----  
Sequence: Major: Status-Change-Date  
Minor: Coverage-Transaction Number

Comments:

This is a daily report that will select any active record for the specific date.